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NPIC/R-880/64
October 1964

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PHOTOGRAPHIC INTERPRETATION REPORT

OAK - PART I
MISSION 4011
24-27 SEPTEMBER 1964

CIA

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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

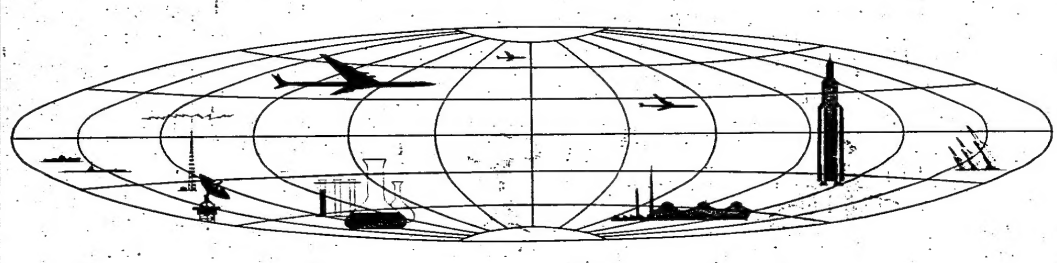

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TABLE OF CONTENTS

PREFACE	2
TRACK OF MISSION	3
HIGHLIGHTS	6
MISSILES	8
AIR FACILITIES	17
NUCLEAR ENERGY	22
NAVAL ACTIVITY/PORTS	27
BIOLOGICAL/CHEMICAL WARFARE	28
ELECTRONICS/COMMUNICATIONS	30
MILITARY ACTIVITY	34
COMPLEXES	44
ATTACHMENTS	APPENDIX

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OAK-PART I

MISSION 4011

PREFACE

THIS IS THE FIRST OF AN ESTIMATED TWO DAILY OAK REPORTS BASED ON MISSION 4011 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD 0800 TO 1500, 2 OCTOBER 1964, PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES AND INDEX NUMBERS ARE INDICATED BY THE LETTERS FR. WHEN MORE THAN ONE FRAME/INDEX NUMBER IS LISTED, STEREO COVERAGE IS INDICATED. X AND Y COORDINATES ARE LISTED FOR THE BEST FRAME OF PHOTOGRAPHY. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF PHOTOGRAPHY FROM MISSION 4011 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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Highlights

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HIGHLIGHTS

THE OVERALL PHOTOGRAPHIC QUALITY OF MISSION 4011 IS FAIR. IMAGERY IS SOFT IN APPEARANCE AND THE PHOTOGRAPHY IN GENERAL IS OF LOW CONTRAST. QUALITY ENLARGEMENTS CANNOT BE MADE MUCH BEYOND 20 DIAMETERS, AS COMPARED TO 50 DIAMETERS AND ABOVE ON SOME PREVIOUS MISSIONS.

1. ZHANGIZ-TOBE ICBM COMPLEX [redacted] THREE NEW LAUNCH AREAS (C, D, AND E) ARE IDENTIFIED.

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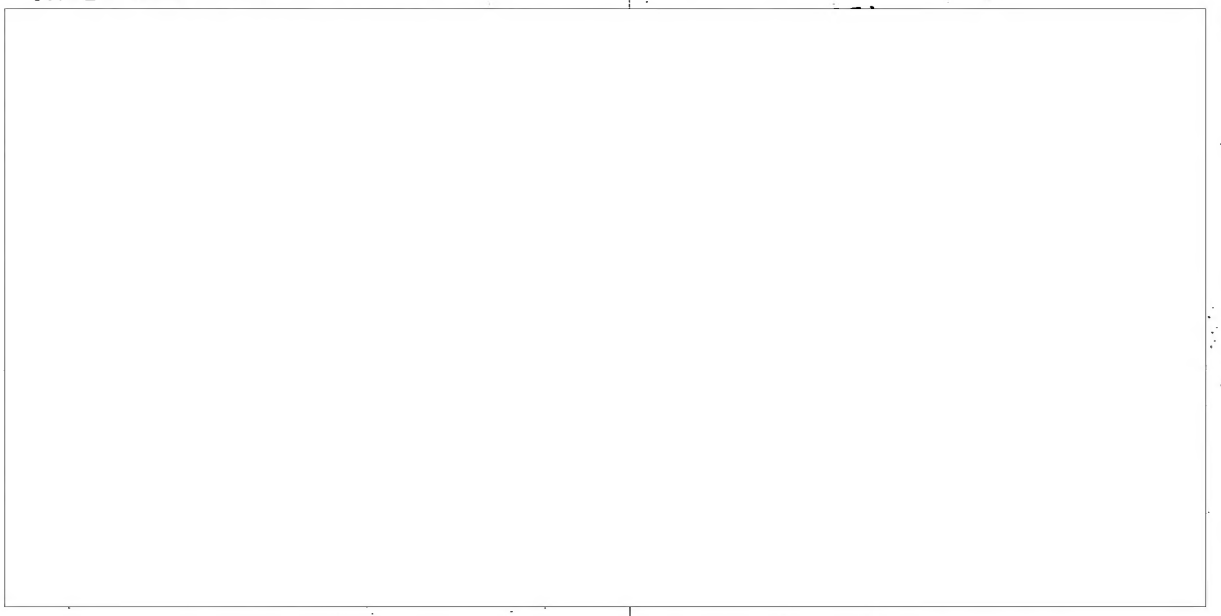

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5. TYURATAM INSTRUMENTATION SITE [redacted] 25X1
SITE CONSISTS OF A PROBABLE INSTRUMENTATION/COMMUNICATIONS AREA. A PROBABLE CONTROL AND SUPPORT AREA LOCATED IMMEDIATELY EAST CONTAINS, AMONG OTHERS, TWO BUILDINGS WITH POSSIBLE DOMES.

6. MYS ZHELANIYA TALL KING RADAR [redacted] 25X1
A TWIN TALL KING RADAR SITE IS IDENTIFIED AT MYS ZHELANIYA.

7. AMDERMA TALL KING RADAR [redacted] 25X1
A POSSIBLE TALL KING RADAR SITE IS IDENTIFIED AT AMDERMA.

STATUS OF COMOR TARGET READOUT

A TOTAL OF 120 COMOR TARGETS WERE OBSERVED IN THE CURRENT REPORTING PERIOD AND ARE COVERED BY THIS REPORT.

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MISSILES

25X1

DROVYANAYA ICBM LAUNCH AREA A (SITE 1) UR 5125N 11300E

LAUNCH AREA COVERED BY GOOD-QUALITY NON-STEREO PHOTOGRAPHY.

25X1

NO SIGNIFICANT CHANGE AND NO NEW CONSTRUCTION APPARENT.

AT LEAST 15 VEHICLES/PIECES OF EQUIPMENT OBSERVED.

25X1

25X1

DROVYANAYA ICBM LAUNCH AREA B (SITE 2) UR 5125N 11304E

ONLY THE RIM FACILITY IS VISIBLE. IT SHOWS NO APPARENT CHANGE

25X1 25X1

25X1

DROVYANAYA ICBM LAUNCH AREA D (SITE 3) UR 5120N 11301E

LAUNCH SITE COVERED BY NON-STEREO PHOTOGRAPHY.

25X1 25X1

NO SIGNIFICANT CHANGES OBSERVED

NO NEW CONSTRUCTION OBSERVED.

25X1

25X1

DROVYANAYA ICBM LAUNCH AREA E (SITE 5) UR 5122N 11250E

IDENTIFICATION ONLY.

25X1

25X1

DROVYANAYA ICBM LAUNCH AREA F (SITE 6) UR 5120N 11254E

SITE COVERED BY GOOD-QUALITY STEREO PHOTOGRAPHY. IT APPEARS TO BE IN THE LATE STAGE OF CONSTRUCTION.

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THE SITE HAS BEEN BACKFILLED. TWO MISSILE READY BUILDINGS UNDER CONSTRUCTION WITHIN THE SITE ARE CONNECTED TO THE LOOP ROAD BY SHORT ACCESS ROADS.

CONSTRUCTION ACTIVITY CONTINUES IN THE AREA.

NOVOSIBIRSK ICBM LAUNCH AREA A (SITE 2) UR 5519N 08309E

IDENTIFICATION ONLY.

ZHANGIZ-TOBE ICBM COMPLEX UR 4912N 08110E

NEWLY IDENTIFIED LAUNCH AREA C, PREVIOUSLY CARRIED AS AN UNIDENTIFIED AREA, IS LOCATED 3.3 NM WSW OF THE COMPLEX SUPPORT FACILITY AT 49-11N 081-06E. CONSTRUCTION ACTIVITY WAS OBSERVABLE HERE AS EARLY JUN 64. THE SITE CAN BE NEGATED FEB 64. SITE IS NOW IN A MID-STAGE OF CONSTRUCTION. IT CONTAINS A SILO UNDER CONSTRUCTION WITHIN AN EXCAVATION.

NEWLY IDENTIFIED LAUNCH AREA D IS 7.3 NM SW OF THE COMPLEX SUPPORT FACILITY AT 49-07N 081-52E. IT CAN BE NEGATED JUN 64. THE SITE IS IN A MID-STAGE OF CONSTRUCTION AND CONSISTS OF A SILO UNDER CONSTRUCTION WITHIN A U-SHAPED EXCAVATION.

NEWLY IDENTIFIED LAUNCH AREA E IS 11.1 NM WEST OF THE COMPLEX SUPPORT FACILITY AT 49-12N 080-53E. THE SITE CAN BE NEGATED JUN 64. THE SITE IS NOW IN AN EARLY STAGE OF CONSTRUCTION. ACTIVITY IS DISCERNIBLE WITHIN THE U-SHAPED EXCAVATION.

(ATTACHMENTS 1-3)

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ZHANGIZ-TOBE ICBM LAUNCH AREA A (SITE 1) UR 4911N Ø81ØØE

LAUNCH AREA HAS PROGRESSED TO A MID-STAGE OF CONSTRUCTION JUN 64.

25X1

A PROBABLE CONSTRUCTION CRANE IS WITHIN THE U-SHAPED EXCAVATION.

(ATTACHMENT 4)

25X1

25X1

ZHANGIZ-TOBE ICBM LAUNCH AREA B (SITE 2) UR 4915N Ø8Ø59E

LAUNCH AREA HAS PROGRESSED TO A MID-STAGE OF CONSTRUCTION SINCE JUN 64.

25X1

A SILO IS UNDER CONSTRUCTION WITHIN U-SHAPED EXCAVATION. SCATTERED CLOUDS PREVENT STEREO ANALYSIS.

(ATTACHMENT 5)

25X1

25X1

ZHANGIZ-TOBE ICBM SUPPORT FACILITY UR 4912N Ø811ØE

ABOUT 35 BUILDINGS HAVE BEEN ADDED TO THE COMPLEX SUPPORT FACILITY SINCE JUN 64.

25X1

THE CONSTRUCTION ACTIVITY PROBABLY RELATED TO THE COMPLEX SUPPORT FACILITY AND ABOUT 3,ØØØ FT EAST OF IT IS NOT COVERED.

(ATTACHMENT 6)

25X1

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[redacted] BARANO-ORENBURGSKOYE MRBM LAUNCH SITE UR 4419N 13130E

IDENTIFICATION ONLY.

[redacted]

[redacted] LUTSK MRBM LAUNCH SITE 2 UR 5050N 02503E

NO NEW CONSTRUCTION WITHIN LAUNCH SITE SINCE [redacted] JUN 64.

AN ERECTOR IS ON ONE PAD AND MISSILE STANDS ARE ON THE REMAINING 3.

VEHICLES ARE PARKED ON THE APRON BETWEEN 2 GARAGES IN THE TECHNICAL SECTION AND ON AN APRON [redacted]

[redacted]

[redacted] LUTSK MRBM LAUNCH SITE 1 UR 5046N 02504E

NO NEW CONSTRUCTION IS EVIDENT AT LAUNCH SITE SINCE [redacted] JUL 63.

NO ERECTORS OBSERVED ON THE PADS. HOWEVER, EACH HAS A PROBABLE MISSILE STAND.

TWO PROBABLE VEHICLES ARE PARKED ON THE APRONS IN FRONT OF THE GARAGES IN THE TECHNICAL SECTION. A POSSIBLE MISSILE TRANSPORTER IS OBSERVED ON A ROAD LEADING TO ONE OF THE 2 PARALLEL BUILDINGS IN [redacted]

[redacted]

[redacted] BAYRAM-ALI IRBM LAUNCH SITE UR 3746N 06212E

NO APPARENT CHANGE SINCE [redacted] SEP 64.

NO ACTIVITY OBSERVED.

[redacted]

[redacted]

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[redacted] BOLSHAYA KAMENKA IRBM LAUNCH SITE . UR 5145N 04541E

NO APPARENT CHANGE SINCE [redacted] SEP 64.

THE LAUNCH SITE AND SITE SUPPORT FACILITY REMAIN INCOMPLETE.

NO VEHICLES DISCERNIBLE IN THE LAUNCH AREA.

[redacted]

[redacted] SARY-SHAGAN POSS INSTRUMENTATION SITE 14 UR 4707N 06910E

SITE IS COVERED BY GOOD-QUALITY STEREO PHOTOGRAPHY. IT CONSISTS OF AN OPERATIONS AND SUPPORT AREA, AN INTERFEROMETER WITH 1,000 FT CROSS ARMS, AND 2 GRADED-EARTH AIRSTRIPS (6,200 X 420 FT ENE/WSW AND 3,000 X 280 FT NW/SE). THE OPERATIONS AND SUPPORT AREA CONTAINS 19 BUILDINGS, INCLUDING A BUILDING APPROXIMATELY 220 X 130 FT WITHIN A SECURED AREA AND A POSSIBLE RADAR MOUND AND 4 ADDITIONAL BUILDINGS JUST OUTSIDE THE SECURED AREA. DETAILS OF THE ROOF CONFIGURATION OF THE LARGE BUILDING ARE NOT DISCERNIBLE BECAUSE OF POOR IMAGE QUALITY. AT LEAST 6 VEHICLES ARE NOTED AT THE SITE.

THE INTERFEROMETER APPEARS COMPLETE WITH ELEMENTS EMPLACED, EXCEPT FOR MINOR CONSTRUCTION OBSERVED AT THE CENTER OF THE SITE. SINCE [redacted] JUN 64, BOTH AIRSTRIPS HAVE RECEIVED ADDITIONAL PREPARATION. HOWEVER, THE SHORTER STRIP STILL APPEARS UNSERVICEABLE. TWO LANDING TEES ARE NOTED AT THE ENE/WSW STRIP.

[redacted]

[redacted] GORKIY ARMT PLT NOVOYE SORMOVO/STALIN 92 UR 5620N 04354E

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UFA AIRCRAFT ENGINE PLANT B-26 UR 5447N 05604E

25X1

NO INDICATIONS OF MISSILE-RELATED OR OTHER ACTIVITY AT THIS PLANT. RAIL SPUR SERVING THE ASSEMBLY BUILDING AT WEST END OF INSTALLATION IS APPARENTLY BEING REMOVED. SMALL AMOUNT OF GROUND SCARRING/PILED EARTH IS EVIDENT NEAR CENTER OF PLANT AREA.

25X1

25X1

STERLITAMAK STATIC TEST FACILITY UR 5341N 05558E

25X1

25X1

NO APPARENT CHANGE SINCE SEP 64.

THE SECOND TEST CELL REPORTED AS NEARLY COMPLETED NOW APPEARS TO BE A COMPLETED SECONDARY OR STANDBY FACILITY.

NO TEST ACTIVITY, MISSILE COMPONENTS, OR EQUIPMENT OBSERVED.

25X1

25X1

MIKHAYLOVKA SENSITIVE OPERATIONS COMPLEX UR 4849N 03217E

25X1

NO APPARENT CHANGE SINCE SEP 64.

25X1

THE 12 LONG RAILROAD CARS OBSERVED , SEP 64, ARE STILL PRESENT.

25X1

25X1

25X1

GUBA SAYDA PROB NAVAL MISSILE STORAGE UR 6915N 03320E

25X1

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NO APPARENT CHANGE SINCE JUN 64, IN CLOUD-FREE AREAS.

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GUBA SAYDA SUBMARINE BASE UR 6915N 03321E

VESSELS -- 9 SS WITH APPROXIMATELY 280 FT LOA VISIBLE, 2 AUXILIARIES, AND 3 UNIDENTIFIED OBJECTS.

PHOTOGRAPHIC QUALITY PRECLUDES DETERMINATION OF MISSILE LAUNCHING CONFIGURATION.

25X1

VLADIMIR SUBMARINE BASE UR 4355N 13528E

IDENTIFICATION ONLY.

25X1

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ANTIPINSKOYE SAM ACTIVITY UR 5254N 11332E

NO APPARENT CHANGE SINCE SEP 64.

25X1

25X1

OLENEGORSK SUSP AMM ASSOCIATED ACTIVITY UR 6806N 03355E

IDENTIFICATION ONLY.

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DJAKARTA SAM SITE TJILINTJING A06-2 ID 0605S 10656E

IDENTIFICATION ONLY.

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OLENEGORSK SAM SITE B11-0 UR 6804N 03408E

THIS IS A COMPLETED CATEGORY I SA-0 SITE. LAUNCH POSITIONS APPEAR OCCUPIED AND ARE PROBABLY CANVAS COVERED. THREE HOLD POSITIONS ARE PROBABLY CANVAS COVERED. APPROXIMATELY 20 MISCELLANEOUS VEHICLES/VANS ARE PARKED ADJACENT TO A BUILDING

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WHICH IS PART OF THE ON-SITE SUPPORT JUST SOUTH OF THE SITE. THREE PROBABLE BUILDINGS, 4 PROBABLE TENTS, AND 2 PARALLEL ROWS OF CANVAS-COVERED POSSIBLE VEHICLES/VANS MAKE UP THE REST OF THE ON-SITE SUPPORT. DETAILS OF THE CENTRAL GUIDANCE AREA ARE NOT DISCERNIBLE. THREE UNIDENTIFIED VEHICLES/VANS ARE PARKED JUST EAST OF THE CONTROL/GUIDANCE AREA.

25X1

25X1 SEVERODVINSK SAM SITE B02-3 UR 6446N 03959E

IDENTIFICATION ONLY.

25X1

25X1 TYURATAM MSL TEST CENTER SAM SITE B21A-2 UR 4542N 06320E

IDENTIFICATION ONLY.

25X1

25X1 MOSCOW SAM SITE C16-1 UR 5522N 03758E

TWO U-SHAPED REVETMENTS HAVE BEEN CONSTRUCTED ON ONE OF THE RIB ROADS ON THE EAST SIDE OF THE LAUNCH AREA SINCE , JUN 64. THE FIRST EVIDENCE OF REVETMENT CONSTRUCTION WAS OBSERVED ON JUN 64.

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AT LEAST 6 PROBABLE MISSILES OBSERVED ON THE RIB ROADS WITHIN THE LAUNCH AREA. DENSE VEGETATION PRECLUDES THE IDENTIFICATION OF ADDITIONAL EQUIPMENT.

25X1

25X1 KALININGRAD SAM SITE B02-2 UR 5453N 02033E

SITE IS OCCUPIED WITH PROBABLE MISSILE LAUNCHERS. CENTRAL GUIDANCE AREA IS OCCUPIED.

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PRESENCE OR ABSENCE OF MISSILES AND IDENTIFICATION OF GUIDANCE EQUIPMENT CANNOT BE DETERMINED DUE TO POOR IMAGE QUALITY.

APPROXIMATELY 4 BUILDINGS LOCATED IMMEDIATELY NE OF THE SITE PROBABLY SERVE AS SITE SUPPORT.

25X1

25X1

AL ISKANDARIYAH SAM SITE B05-2 EG 3118N 03003E

SITE IS POSSIBLY OCCUPIED.

NO EQUIPMENT OBSERVED.

A SAM SUPPORT FACILITY IS LOCATED ADJACENT TO THE SAM SITE AND HAS NO EQUIPMENT DISCERNIBLE.

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MURMANSK SUSPECT SAM SITE C02-3 UR 6923N 03328E

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AIR FACILITIES

THE TERM LARGE FIGHTER IN AIRFIELD REPORTS REFERS TO AIRCRAFT LARGER THAN FARMER. THE TERM SMALL FIGHTER REFERS TO AIRCRAFT IN THE FAGOT-FARMER SIZE RANGE.

25X1

BARANOVICHI AIRFIELD UR 5306N 02603E

25X1

NO APPARENT CHANGE SINCE APR 63.

AIRCRAFT -- 8 BLINDER (3 IN LOADING AREA, 3 ON HARDSTANDS, AND 2 IN MAINTENANCE AREA), 20 BADGER (12 ON PARKING RAMP, 6 ON HARDSTANDS OFF TAXIWAY, 2 IN MAINTENANCE AREA), ONE BEAGLE IN SECURED STORAGE AREA NORTH OF AIRFIELD, AND 14 PROBABLE FAGOT/FRESCO, 21 PROBABLE DELTA-WING FIGHTERS, 2 POSSIBLE DELTA-WING FIGHTERS, AND 6 LARGE SWEPT-WING FIGHTERS ON SW PARKING RAMP.

25X1

25X1

KALININGRAD/PROVEREN AIRFIELD UR 5446N 02025E

25X1

NO APPARENT CHANGE SINCE JUN 64.

AIRCRAFT -- 14 BLINDER (13 ON WEST PARKING RAMP AND ONE ON LINK TAXIWAY), 23 PROBABLE BLINDER ON EAST PARKING RAMP, 3 BADGER ON WEST PARKING RAMP AND LINK TAXIWAY, 2 CAT/CUB ON LINK TAXIWAY, AND ONE POSSIBLE SMALL STRAIGHT-WING NEAR WEST END OF WEST PARKING RAMP.

25X1

25X1

SEVEROMORSK AIRFIELD UR 6901N 03325E

ONLY NORTHERN TIP OF RUNWAY COVERED.

AIRCRAFT -- NONE OBSERVED.

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RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT UR 5535N 03807E

AIRCRAFT -- ONE BOUNDER, 6 BISON, 7 LARGE HELICOPTERS, AND 9 PROBABLE LARGE HELICOPTERS IN PARKING AREA WEST OF RUNWAY. ONE BISON ON TAXIWAY WEST OF THE AIRFIELD. THREE BADGER/CAMEL, 8 SMALL SWEPT-WING FIGHTERS, ONE PROBABLE COOKPOT, ONE POSSIBLE COKE, ONE CAB, 2 CRATE, 5 MEDIUM 4-ENGINE STRAIGHT-WING, 2 LIGHT STRAIGHT-WING, 2 LARGE HELICOPTERS, AND 9 POSSIBLE SMALL HELICOPTERS ON PARKING APRON AND ADJACENT FIELD WEST OF MAIN RUNWAY. FOUR PROBABLE BEAGLE, 2 POSSIBLE FIGHTERS, ONE POSSIBLE TU-134, 2 CLASSIC, 10 COOT, AND ONE COOKPOT ON NORTHERN SECTION OF MAIN PARKING APRON. THREE BEAGLE, ONE PROBABLE BEAGLE, 23 SMALL SWEPT-WING FIGHTERS, 2 COOT, 2 CAB, 3 LIGHT STRAIGHT-WING, 14 SMALL POSSIBLE AIRCRAFT, AND 5 SMALL UNIDENTIFIED AIRCRAFT ON CENTRAL SECTION OF MAIN PARKING APRON. THREE BLINDER, ONE BEAR, 4 BADGER/CAMEL/COOKPOT, 7 BADGER/CAMEL, ONE BEAGLE, ONE DERELICT PROBABLE BULL, 4 FIDDLER, ONE POSSIBLE COOKPOT, AND ONE CLEAT ON SOUTHERN SECTION OF MAIN PARKING APRON. THREE BLINDER, 11 BADGER/CAMEL, 27 LARGE FIGHTERS, AND 8 SMALL FIGHTERS ON CENTRAL PARKING APRONS WEST OF MAIN PARKING APRON.

25X1

25X1

KRASNOVODSK AIRFIELD UR 4004N 05300E

AIRCRAFT -- 5 BEAGLE, 29 LARGE SWEPT-WING FIGHTERS, 2 PROBABLE LARGE SWEPT-WING FIGHTERS, 52 SMALL SWEPT-WING FIGHTERS, 3 PROBABLE SMALL SWEPT-WING FIGHTERS, 2 PROBABLE COOT, 9 CAB, ONE LIGHT STRAIGHT-WING, AND 14 SMALL STRAIGHT-WING.

NO NEW ELECTRONICS FACILITIES OBSERVED.

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WONSAN AIRFIELD KN 3909N 12729E

NO RADAR OR COMMUNICATIONS SITE OBSERVED.

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AIRCRAFT -- 22 FAGOT/FRESCO AND 33 POSSIBLE FAGOT/FRESCO.

AFRIKANDA AIRFIELD UR 6727N 03247E

NO ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED.

AIRCRAFT -- 18 SMALL SWEPT-WING FIGHTERS, 4 PROBABLE SMALL SWEPT-WING FIGHTERS, AND ONE PROBABLE CRATE.

MARIENGOF AIRFIELD UR 5452N 02011E

NO APPARENT CHANGE SINCE SEP 61, ON 65 PERCENT OF AIRFIELD COVERED BY PHOTOGRAPHY.

AIRCRAFT -- 20 BEAGLE ON HARDSTANDS, 2 BEAGLE IN MAINTENANCE AREA, ONE CAT/CUB ON SW ALERT RAMP, ONE POSSIBLE SMALL UNIDENTIFIED ON SW HARDSTAND NEXT TO SW ALERT RAMP.

GABROVNITSA AIRFIELD BU 4333N 02316E

NO ELECTRONIC OR COMMUNICATIONS FACILITIES OBSERVED.

AIRCRAFT -- ONE POSSIBLE LIGHT STRAIGHT-WING ON EAST HARDSTAND.

WARSAW/BOERNEROWO AIRFIELD PO 5216N 02055E

ILS SYSTEM LOCATED ON WEST APPROACH TO E/W RUNWAY.

AIRCRAFT -- 12 PROBABLE FAGOT/FRESCO, 3 POSSIBLE FAGOT/FRESCO, 13 SMALL STRAIGHT-WING, ONE SMALL SWEPT-WING, ONE LIGHT STRAIGHT-WING, 3 HOUND, AND

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2 POSSIBLE HARE.

25X1

25X1 KU-CHE AIRFIELD CH 4144N 08259E

25X1 NO APPARENT CHANGE SINCE [redacted] AUG 63.

AIRCRAFT -- NONE.

NO NEW CONSTRUCTION OBSERVED.

25X1

25X1 MONCHEGORSK AIRFIELD UR 6758N 03301E

IDENTIFICATION ONLY.

NO AIRCRAFT OBSERVED.

25X1

25X1 PETROZAVODSK AIRFIELD NORTHWEST UR 6153N 03408E

NO ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED. FIFTY PERCENT OF AIRFIELD CLOUD COVERED.

AIRCRAFT -- 2 LARGE SWEPT-WING FIGHTERS, 6 SMALL SWEPT-WING FIGHTERS, AND 8 SMALL PROBABLE SWEPT-WING FIGHTERS.

25X1

25X1 YEFREMOV AIRFIELD UR 5308N 03813E

AIRCRAFT -- 49 LARGE SWEPT-WING FIGHTERS, 4 POSSIBLE LARGE SWEPT-WING FIGHTERS, ONE CAT/CUB, ONE CAB, 12 SMALL STRAIGHT-WING, 2 POSSIBLE SMALL STRAIGHT-WING, AND AT LEAST 11 SMALL UNIDENTIFIED AIRCRAFT.

A POSSIBLE GCA UNIT IS LOCATED BETWEEN THE

25X1

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25X1

TAXIWAY AND RUNWAY.

25X1

25X1

SUKHUMI/DRANDA AIRFIELD UR 4252N 04107E

NO ELECTRONIC OR COMMUNICATIONS FACILITIES OBSERVED. TROOP LOADING AREA CANNOT BE IDENTIFIED.

SIX ROWS OF UNIDENTIFIED EQUIPMENT OBSERVED JUST NORTH OF AIRFIELD. NO AIRCRAFT IDENTIFIABLE IN LOADING AREA.

AIRCRAFT -- ONE PROBABLE CAMEL, 3 LIGHT STRAIGHT-WING, AND 2 SMALL STRAIGHT-WING.

25X1

25X1

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Nuclear Energy

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25X1
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Next 4 Page(s) In Document Denied

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Naval Activity/ Ports

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25X1

NAVAL ACTIVITY/PORTS

25X1 CHAN-CHIANG NAVAL BASE CH 2112N 11025E

NO APPARENT CHANGE TO FACILITIES SINCE MAR 63.

VESSELS -- 2 MERCHANT VESSELS, ONE UNIDENTIFIED VESSEL AT WHARF, AND NUMEROUS SMALL CRAFT.

25X1

25X1 TANDJUNGPRIOK PORT FACILITIES ID 0606S 10652E 25X1

NO APPARENT CHANGE TO FACILITIES SINCE JUN 63.

VESSELS -- ONE SVERDLOV-CLASS CL, 2 POSSIBLE SKORYY-CLASS DD, AT LEAST 11 MINOR NAVAL SURFACE VESSELS, APPROXIMATELY 55 OCEAN-GOING MERCHANT VESSELS IN HARBOR, AND 12 MERCHANT VESSELS IN ROAD.

25X1

25X1 LIEPAJA NAVAL BASE AND SHIPYARD UR 5633N 02102E

BOTH GRAVING DOCKS OCCUPIED.

NO SUBMARINE PENS OBSERVED.

VESSELS -- ONE PROBABLE F/Z-CLASS SS, 6 PROBABLE W/R-CLASS SS (ONE MOORED IN OUTER HARBOR), 2 PROBABLE SHCH-IV-CLASS SS, ONE PROBABLE SS OUTBOARD OF AUXILIARY, ONE UNIDENTIFIED OBJECT ALONGSIDE WHARF, ONE SVERDLOV-CLASS CL, 3 DD (ONE IN GRAVING DOCK), 2 DE, 4 AUXILIARIES, AND NUMEROUS MINOR CRAFT.

25X1

25X1 AL ISKANDARIYAH PORT FACILITIES EG 3111N 02952E 25X1

VESSELS -- 4 DD, ONE POSSIBLE PF, 2 POSSIBLE SS, 4 PROBABLE W-CLASS SS, AND AT LEAST 25 MINOR SURFACE COMBATANTS.

25X1

25X1

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Biological/ Chemical Warfare

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25X1
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Page Denied

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Electronics/ Communications

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25X1

ELECTRONICS/COMMUNICATIONS

25X1 TYURATAM INSTRUMENTATION SITE UR 5014N 06510E

SITE IS LOCATED 6 NM NW OF AMANGELDY. THE INTERFEROMETER AND MOST OF THE LANDING STRIP ARE OBSCURED BY CLOUD COVER.

CONTROL AND SUPPORT AREA IS PARTIALLY CLOUD COVERED. APPROXIMATELY 16 BUILDINGS OBSERVED.

NO CONSTRUCTION ACTIVITY, ANTENNAS, OR VEHICLES OBSERVED.

25X1

25X1 BEKDASH INSTRUMENTATION SITE UR 4131N 05234E

NO INSTRUMENTATION FACILITY OBSERVED.

25X1

25X1 TYURATAM INSTRUMENTATION SITE UR 4655N 06325E

SITE CONSISTS OF A PROBABLE INSTRUMENTATION/ COMMUNICATIONS AREA CONTAINING 6 OR 7 UNIDENTIFIED OBJECTS AND A SQUARE BUILDING. A PROBABLE CONTROL AND SUPPORT AREA LOCATED IMMEDIATELY EAST CONTAINS 23 BUILDINGS, 2 OF WHICH SUPPORT POSSIBLE DOMES. A SMALL UNIMPROVED AIRSTRIP IS LOCATED APPROXIMATELY ONE NM EAST OF THE CONTROL AND SUPPORT AREA. THERE IS EXTENSIVE TRACK ACTIVITY IN THE AREA, POSSIBLY SERVING SMALL INSTRUMENTATION POSITIONS WHICH CANNOT BE IDENTIFIED BECAUSE OF POOR IMAGE QUALITY. NO ANTENNAS OR VEHICLES CAN BE FIRMLY IDENTIFIED AND THERE APPEARS TO BE NO CONSTRUCTION ACTIVITY IN THE AREA.

25X1

25X1 TYURATAM INSTRUMENTATION SITE UR 4810N 06833E

SITE IS LOCATED 6 NM NORTH OF TEREKTY AND

25X1

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CONSISTS OF AN INTERFEROMETER, A SUPPORT AND CONTROL AREA, A SMALL PROBABLE COMMUNICATIONS SITE, AND A RECENTLY EXPANDED LANDING FIELD. ORIENTATION OF THE INTERFEROMETER LEGS IS APPROXIMATELY 45 DEGREES OFF THE CARDINAL DIRECTION. THE SUPPORT AND CONTROL AREA CONTAINS 27 BUILDINGS, SEVERAL PROBABLE VEHICLES, 2 BURIED TANKS, AND AN ATHLETIC FIELD. IT HAS NOT CHANGED SIGNIFICANTLY SINCE APR 63. THE SMALL PROBABLE COMMUNICATIONS SITE IS LOCATED APPROXIMATELY 2,000 FT SOUTH OF THE SUPPORT AND CONTROL AREA AND CONSISTS OF A SQUARE BUILDING, 2 SMALL UNIDENTIFIED OBJECTS, AND 5 VEHICLES/VANS PARKED IN A LINE. NO MASTS OR ANTENNAS OBSERVED. AN ADDITIONAL LANDING STRIP HAS BEEN ADDED SINCE APR 63 AND THE OLD LANDING STRIP HAS BEEN EXTENDED SLIGHTLY. A PROBABLE SMALL AIRCRAFT PARKING AREA IS LOCATED OFF THE NW END OF THE NEW STRIP.

EMBA MISSILE TRACKING FACILITY UR 4836N 05809E

IDENTIFICATION ONLY.

NIZHNIYE KRESTY SUSP TROPOSCATTER SITE UR 6928N 16121E

NO ANTENNA OBSERVED IN THIS AREA.

NES, RADAR SITE UR 6636N 04440E

IDENTIFICATION ONLY.

MYS ZHELANIYA TALL KING RADAR UR 7655N 06825E

A TWIN TALL KING RADAR SITE IS LOCATED 1.5 NM SW

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25X1

OF ZHELANIYA AIRFIELD AT 76-55-30N 068-25-00E. EACH RADAR HAS AN OPERATIONS BUILDING, GENERATOR BUILDING, AND ADJACENT IMMEDIATE SUPPORT BUILDING. NO HORIZONTAL TANKS OBSERVED. A SUPPORT AREA .5 NM EAST OF THE SITE CONTAINS 8 SUPPORT BUILDINGS. IMMEDIATELY WEST OF THE SUPPORT AREA IS A COMMUNICATIONS FACILITY WITH 5 OR 6 STICK MASTS.

25X1

25X1

MYS KARASEVEY TALL KING RADAR UR 7110N 06655E

NO TALL KING SITE OBSERVED IN CLOUD-FREE AREAS.

25X1

25X1

AMDERMA TALL KING RADAR UR 6945N 06121E

POSSIBLE TALL KING RADAR IS LOCATED 4.5 NM WEST OF AMDERMA AIRFIELD AT 69-45-50N 061-21-30E.

FACILITY CONSISTS OF ONE CONTROL BUILDING, A GENERATOR BUILDING, A GROUP OF HORIZONTAL STORAGE TANKS, AND 2 SUPPORT BUILDINGS.

NO OTHER ELECTRONIC INSTALLATIONS AND NO SUPPORT FOR THE POSSIBLE TALL KING OBSERVED.

25X1

25X1

TALDOM AREA HF RADIO TRANSMITTING STA UR 5644N 03736E

SECURED AREA CONTAINS 4 UNUSUALLY CONFIGURED ANTENNA ARRAYS. THREE OF THE ARRAYS HAVE 9 STEEL TOWERS EACH, ARRANGED IN A CRESCENT PATTERN. THE FOURTH IS CONSIDERABLY LARGER AND HAS 13 STEEL TOWERS ARRANGED IN THE SAME PATTERN. EACH ANTENNA HAS A PROBABLE FEED TOWER WITH A BOOM-LIKE STRUCTURE AT THE TOP LOCATED ON THE INWARD SIDE OF THE ARC OF TOWERS. AT THREE OF THE 4 ANTENNAS THIS PROBABLE FEED IS APPARENTLY MOVABLE ON A GANTRY RAIL-TYPE ARRANGEMENT. EACH ANTENNA HAS A

25X1

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25X1

UNIQUE CONTROL-TYPE BUILDING. IN ADDITION TO THOSE ANTENNA ARRANGEMENTS THE FOLLOWING FACILITIES ARE OBSERVED -- 6 CONTROL BUILDINGS, (3 WITH ADJACENT COOLING PONDS), 2 UNIDENTIFIED RECTANGULAR PROBABLE ANTENNA REFLECTORS, 3 SELF-SUPPORTING STEEL TOWERS (EACH WITH A BOOM-LIKE STRUCTURE AT THE TOP), 11 RHOMBIC ANTENNA PATTERNS, ONE PROBABLE VERTICAL RADIATOR, AND SUPPORT FACILITIES (INCLUDING A RESERVOIR).

25X1

25X1

NIKOLAYEV AREA, COMMUNICATIONS SITE UR 4649N Ø3212E

THE PREVIOUSLY REPORTED CURTAIN ARRAYS ALONG 2 SIDES OF THE FENCED AREA ARE IN 2 GROUPS -- ONE OF 3 ARRAYS AND ONE OF 2 ARRAYS.

THERE ARE FOUR PAIRS OF DAY/NIGHT RHOMBIC ANTENNAS UNDER CONSTRUCTION OUTSIDE THE FENCED LIMITS OF THE SITE, IN ADDITION TO THE PREVIOUSLY REPORTED PAIR OF DAY/NIGHT RHOMBIC ANTENNAS.

NO CHANGE IN OTHER FACILITIES SINCE JUN 64.

25X1

25X1

25X1

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Military Activity

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25X1 25X1

MILITARY ACTIVITY

[redacted] CHANG-CHI ARMY BARRACKS SOUTH CH 2343N 11652E 25X1

AREA APPEARS ACTIVE.

NO VEHICLES/PIECES OF EQUIPMENT OBSERVED.

[redacted] 25X1

[redacted] GYA PROB MILITARY STOR AREA TI 3006N 09509E 25X1

AREA APPEARS ACTIVE. IT APPEARS TO BE A SUPPLY AREA ALONG THE MAIN, ALL-WEATHER, 2-LANE, PROBABLY GRAVEL-SURFACED HIGHWAY.

[redacted] 25X1

[redacted] LEI-PEI AREA, MILITARY AREAS CH 2122N 11016E 25X1

NO APPARENT CHANGE SINCE JUN 64 IN AREAS A, B, AND D. AREA C IS NOT COVERED.

SCATTERED CLOUDS AND POOR IMAGE QUALITY PRECLUDE OBSERVATION OF VEHICLES/EQUIPMENT.

[redacted] 25X1

[redacted] HU-HO-HAO-TE HQ INNER MONGOLIA MD CH 4050N 11140E 25X1

SMALL, SECURED, POSSIBLE MILITARY INSTALLATION OBSERVED AT 40-50-50N 111-40-10E CONTAINS 20 BARRACKS-TYPE BUILDINGS.

NO OTHER MILITARY ACTIVITY AND NO VEHICLES/EQUIPMENT OBSERVED.

[redacted] 25X1

[redacted] BARANOVICHI ARMY BARRACKS EAST UR 5307N 02602E 25X1

AREA APPEARS OCCUPIED AND IN USE.

[redacted] 25X1

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25X1

NO TANKS OBSERVED.

25X1

25X1 BAYRAM-ALI ARMY BARRACKS SOUTHEAST UR 3737N 06210E

INSTALLATION IS ACTIVE AND CONTAINS APPROXIMATELY 50 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT.

25X1

25X1 KALININGRAD BARRACKS OBERTEICH SOUTHWEST UR 5443N 02030E

AREA APPEARS ACTIVE, BUT CANNOT BE CONFIRMED OR NEGATED AS A MILITARY AREA.

NO TANKS OBSERVED.

25X1

25X1 ORENBURG AAA BARRACKS EAST UR 5146N 05507E

INSTALLATION IS ACTIVE.

APPROXIMATELY 80 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT OBSERVED.

25X1

25X1 KALININGRAD ARMY BARRACKS BALLIT UR 5445N 02030E

AREA IS ACTIVE AND OCCUPIED.

NO TANKS OBSERVED.

25X1

25X1 KALININGRAD ARMY BARRACKS NORTHWEST UR 5444N 02027E

AREA APPEARS OCCUPIED.

25X1

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25X1

ONE ROW OF UNIDENTIFIED VEHICLES/EQUIPMENT OBSERVED.

25X1

25X1 KALININGRAD ARMY BARRACKS NORTHEAST UR 5443N 02031E

AREA IS OCCUPIED AND ACTIVE.

APPROXIMATELY 10 UNIDENTIFIED VEHICLES/EQUIPMENT OBSERVED.

25X1

25X1 KALININGRAD ARMY BARRACKS SOUTHWEST UR 5441N 02028E

AREA IS OCCUPIED.

NO TANKS OBSERVED.

25X1

25X1 KALININGRAD ARMY BARRACKS PONART UR 5440N 02028E

AREA APPEARS OCCUPIED.

ONE ROW OF UNIDENTIFIED VEHICLES/EQUIPMENT OBSERVED.

25X1

25X1 KALININGRAD ARMY BARRACKS KUMMERAU UR 5444N 02032E

AREA IS ACTIVE AND OCCUPIED.

NO TANKS OBSERVED.

25X1

25X1 KALININGRAD ARMY BARRACKS ROTHENSTEIN UR 5444N 02032E

AREA IS ACTIVE AND OCCUPIED.

25X1

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25X1
25X1

THREE ROWS OF UNIDENTIFIED VEHICLES/EQUIPMENT OBSERVED.

25X1

25X1 KALININGRAD ARMY BARRACKS SHARLOTTENBURG UR 5444N Ø2Ø27E

AREA IS OCCUPIED AND PROBABLY ACTIVE.

NO TANKS OBSERVED.

25X1

25X1 TAMBOV ARMY BARRACKS SOUTH UR 5240N Ø4128E

BARRACKS AND DEPOT APPEAR OCCUPIED AND ACTIVE.

EIGHT ROWS OF UNIDENTIFIED VEHICLES/EQUIPMENT OBSERVED.

25X1

25X1 ULAN-UDE BARRACKS AND HQ 71ST TANK DIV UR 5154N 1Ø731E

AREA IS OCCUPIED.

NUMEROUS VEHICLES/PIECES OF EQUIPMENT OBSERVED THROUGHOUT THE AREA.

25X1

25X1 KEMEROVO MILITARY BARRACKS PRAVOI TOM UR 5523N Ø8559E

AREA APPEARS ACTIVE.

NO EVIDENCE OF ANY ARMOR OBSERVED.

25X1

25X1

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25X1

25X1

YUZHNO-SAKHALINSK ARMY BARRACKS NE UR 4659N 14245E

AREA APPEARS OCCUPIED.

APPROXIMATELY 40 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED.

25X1

25X1

YUZHNO-SAKHALINSK BKS BOLSHAYA YELAN UR 4655N 14244E

POOR IMAGE QUALITY AND HEAVY CLOUDS PRECLUDE DETERMINATION OF OCCUPANCY.

NO TANKS OBSERVED.

25X1

25X1

YUZHNO-SAKHALINSK BKS KHRISTOFOROVKA UR 4653N 14246E

HEAVY CLOUDS AND POOR IMAGE QUALITY PRECLUDE DETERMINATION OF OCCUPANCY.

NO TANKS OBSERVED.

25X1

25X1

LIEPAJA ARMY DEPOT KARA OSTA UR 5633N 02103E

AREA APPEARS OCCUPIED AND ACTIVE.

NO TANKS OBSERVED.

25X1

25X1

LIEPAJA ARMY BARRACKS NORTH UR 5633N 02101E

AREA APPEARS OCCUPIED AND ACTIVE.

NO TANKS OBSERVED.

25X1

25X1

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25X1
25X1

[redacted] LIEPAJA BARRACKS NORTH UR 5634N 02101E

25X1

AREA APPEARS OCCUPIED AND ACTIVE.

NO TANKS OBSERVED.

[redacted]

25X1

[redacted] LIEPAJA HQ 51ST GUARDS MTZ RIFLE DIV UR 5631N 02100E

25X1

NO MILITARY INSTALLATION OBSERVED AT THIS LOCATION.

[redacted]

25X1

[redacted] SEVERO-KURILSK ARMY BARRACKS WEST UR 5041N 15607E

25X1

POOR IMAGE QUALITY PRECLUDES DETERMINATION OF STATUS.

NO TANKS OBSERVED.

[redacted]

25X1

[redacted] SEVERO-KURILSK ARMY BARRACKS SOUTH UR 5040N 15608E

25X1

POOR IMAGE QUALITY PRECLUDES CONFIRMATION OF THIS AREA AS A MILITARY INSTALLATION.

AREA IS ADJACENT TO PORT FACILITIES. AN OPEN-STORAGE/EQUIPMENT AREA WITH AN UNDETERMINED NUMBER OF UNIDENTIFIED OBJECTS IS OBSERVED IN THE NE PART OF THE INSTALLATION.

[redacted]

25X1

[redacted] SUKHUMI ARMY BARRACKS SOUTHEAST UR 4259N 04102E

25X1

THIS AREA CANNOT BE CONFIRMED AS A MILITARY INSTALLATION. IT MAY BE A SCHOOL OR RESORT AREA.

NO VEHICLES OR EQUIPMENT OBSERVED.

[redacted]

25X1

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25X1

25X1

KALININGRAD MILITARY TRAINING AREA UR 5445N 02017E

AREA IS OCCUPIED.

LACK OF TRACKS INDICATES NO RECENT VEHICLE ACTIVITY.

25X1

25X1

MI-TU ARMY BARRACKS CH 2521N 10028E

INSTALLATION APPEARS ACTIVE.

NO VEHICLES/EQUIPMENT OBSERVED.

25X1

25X1

LIN-TSANG ARMY BKS AND HQ 40TH INF DIV NE CH 2353N 10005E

INSTALLATION APPEARS ACTIVE.

NO VEHICLES/EQUIPMENT OBSERVED.

25X1

25X1

CHAN-CHIANG AREA, MILITARY INSTALLATION CH 2116N 11019E

INSTALLATION APPEARS ACTIVE.

POOR IMAGE QUALITY PRECLUDES OBSERVATION OF VEHICLES/ EQUIPMENT.

25X1

25X1

YUZHNO-SAKHALINSK ARMY SUP DPO 1 PUG UR 4658N 14244E

NO TANKS OBSERVED.

POOR IMAGE QUALITY PRECLUDES IDENTIFICATION OF

25X1

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25X1

ACTIVITY.

25X1

25X1 YUZHNO-SAKHALINSK ARMY SUP DPO 2 PUG UR 4657N 14243E

NO TANKS OR OTHER EQUIPMENT OBSERVED.

POOR IMAGE QUALITY AND CLOUD SHADOW PRECLUDE IDENTIFICATION OF ACTIVITY.

25X1

25X1 ULAN-UDE ARMY SUPPLY DPO UDA RIVER SOUTH UR 5149N 10741E

APPROXIMATELY 25 PERCENT OF WESTERN EDGE OF ARMY SUPPLY DEPOT COVERED.

NO EQUIPMENT/VEHICLES OR UNUSUAL ACTIVITY OBSERVED.

25X1

25X1 ULAN-UDE ARMY SUPPLY DEPOT UR 5149N 10736E

AREA IS APPROXIMATELY 90 PERCENT VISIBLE THROUGH SCATTERED CLOUDS.

NO INDICATIONS OF ANY NEW CONSTRUCTION OBSERVED.

NUMEROUS PILES OF UNIDENTIFIED MATERIALS IN OPEN STORAGE OBSERVED WITHIN THE AREA, BUT NO TANKS, WEAPONS, OR VEHICLES CAN BE IDENTIFIED.

25X1

25X1 NAGYATAD ARMY BARRACKS 2 HU 4611N 01721E

NO MILITARY INSTALLATION OBSERVED AT THESE COORDINATES.

25X1

25X1

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25X1

25X1

NAGYATAD HEADQUARTERS BARRACKS 3 HU 4613N Ø1720E

AREA APPEARS ACTIVE AND OCCUPIED.

NUMEROUS VEHICLES/PIECES OF EQUIPMENT OBSERVED, BUT POOR IMAGE QUALITY PRECLUDES IDENTIFICATION.

25X1

25X1

TAPOLCA ARMY BARRACKS 1 HU 4653N Ø1723E

INSTALLATION APPEARS ACTIVE AND OCCUPIED.

UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT ARE PARKED IN THE AREA.

25X1

25X1

TAPOLCA ARMY BARRACKS 2 ODOROGD HU 4657N Ø1726E

AREA IS ACTIVE AND OCCUPIED.

NO TANKS OBSERVED.

25X1

25X1

WARSAW ARMY SUPPLY DPO SLUZEWIEC SW PO 5210N Ø2059E

AREA APPEARS OCCUPIED.

NO TANKS OBSERVED.

25X1

25X1

WARSAW ARMY BARRACKS WYGLEDOW PO 5211N Ø2058E

AREA IS OCCUPIED.

APPROXIMATELY 200 UNIDENTIFIED VEHICLES/PIECES OF

25X1

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25X1

EQUIPMENT PARKED IN AREA.

25X1

25X1

WARSAW HQ WARSAW MILITARY DISTRICT PO 5216N Ø21ØØE

AREA APPEARS OCCUPIED.

NO TANKS OBSERVED.

25X1

25X1

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Complexes

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25X1

25X1

COMPLEXES

PITU PETROLEUM PRODUCT STORAGE ID Ø2Ø2N 12817E

25X1

THREE LARGE, POSSIBLY ABANDONED STORAGE TANKS ARE LOCATED IN A WOODED AREA 1.3 NM WEST OF PITU AIRFIELD.

25X1

25X1

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Attachments

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ATTACHMENT 1

LAUNCH AREA C, ZHANGIZ-TOBE ICBM COMPLEX, USSR

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[redacted]

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ATTACHMENT 2

LAUNCH AREA D, ZHANGIZ-TOBE ICBM COMPLEX, USSR

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TOP SECRET CHESS RUFF

LAUNCH AREA E, ZHANGIZ-TOBE ICBM COMPLEX, USSR

TOP SECRET CHESS RUFF

MISSION 4011, 24-27 SEPTEMBER 1964

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ATTACHMENT 3

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TOP SECRET CHESS RUFF

LAUNCH AREA A, ZHANGIZ-TOBE ICBM COMPLEX, USSR

NPIC J-4396 (10/64)

TOP SECRET CHESS RUFF

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ATTACHMENT 4

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ATTACHMENT 5

LAUNCH AREA B, ZHANGIZ-TOBE ICBM COMPLEX, USSR

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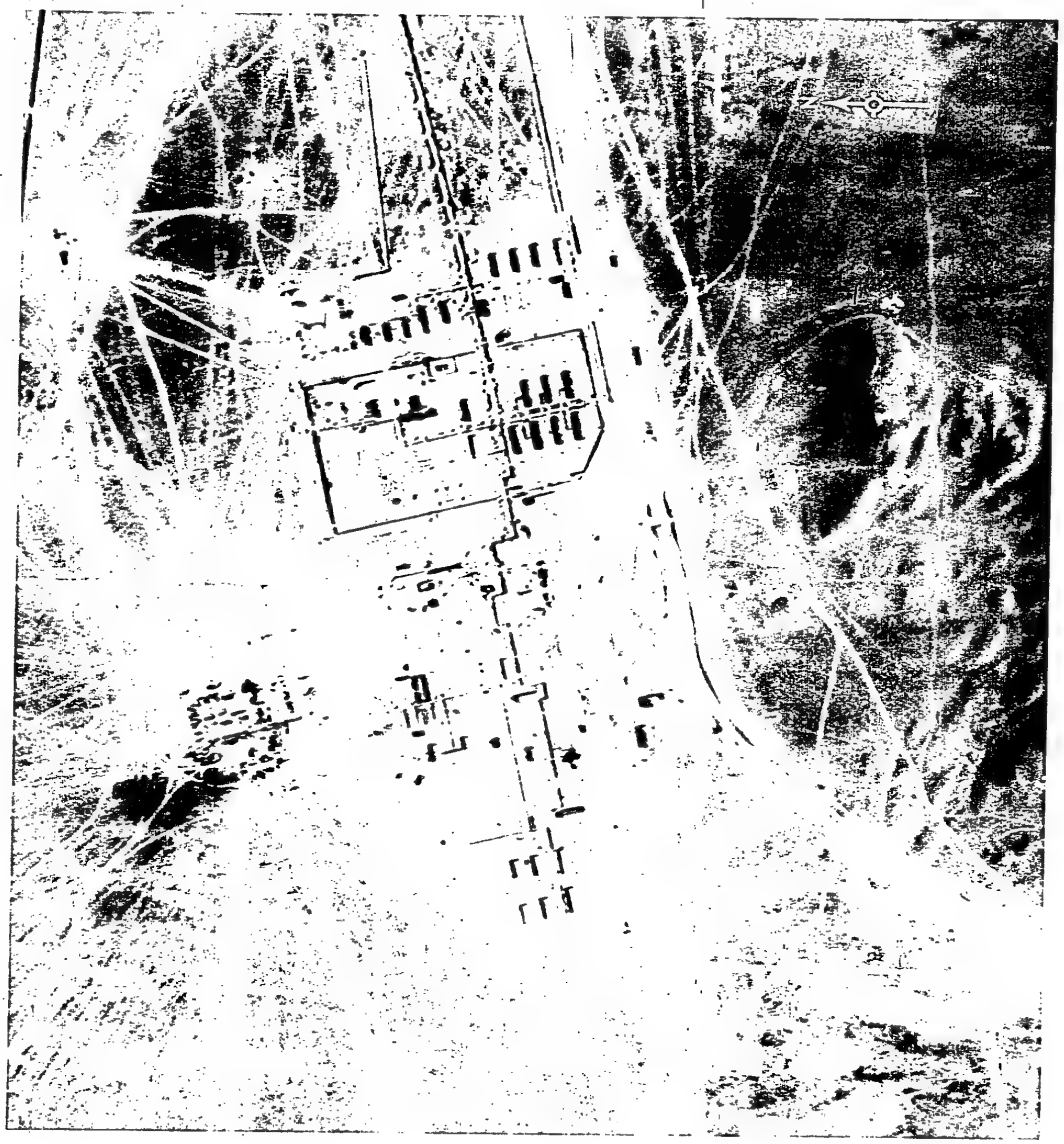
ATTACHMENT 6



COMPLEX SUPPORT FACILITY, ZHANGIZ-TOBE ICBM COMPLEX, USSR

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TABLE OF CONTENTS

PREFACE	2
TRACK OF MISSION	3
HIGHLIGHTS	6
MISSILES	16
AIR FACILITIES	33
NUCLEAR ENERGY	42
NAVAL ACTIVITY/PORTS	45
BIOLOGICAL/CHEMICAL WARFARE	48
ELECTRONICS/COMMUNICATIONS	51
MILITARY ACTIVITY	52
COMPLEXES	58
OTHER ACTIVITY	62
INDEX OF COMOR TARGETS	63
ATTACHMENTS	APPENDIX

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OAK-PART II

MISSION 4011

PREFACE

THIS IS THE SECOND AND LAST DAILY OAK REPORT ON MISSION 4011 DEALING WITH THE HIGHEST PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS 2 OCTOBER 1964 TO 1500 HOURS, 3 OCTOBER 1964, PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 4011 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATION OF TARGETS IN THIS REPORT IS INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES AND INDEX NUMBERS ARE INDICATED BY THE LETTERS FR. WHEN MORE THAN ONE FRAME/INDEX NUMBER IS LISTED, STEREO COVERAGE IS INDICATED. X AND Y COORDINATES ARE LISTED FOR THE BEST FRAME OF PHOTOGRAPHY. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF PHOTOGRAPHY FROM MISSION 4011 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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HIGHLIGHTS

THE OVERALL PHOTOGRAPHIC QUALITY OF MISSION 4011 IS FAIR. IMAGERY IS SOFT IN APPEARANCE AND THE PHOTOGRAPHY IN GENERAL IS OF LOW CONTRAST. QUALITY ENLARGEMENTS CANNOT BE MADE MUCH BEYOND 20 DIAMETERS, AS COMPARED TO 50 DIAMETERS AND ABOVE ON SOME PREVIOUS MISSIONS.

1. SHADRINSK ICBM LAUNCH AREA A
TWO LINEAR OBJECTS MEASURING 90 FT AND 70 FT ARE LOCATED ON THE LOOP ROAD.

25X1

2. ALEYSK ICBM COMPLEX
ENTIRE COMPLEX COVERED BY CLEAR PHOTOGRAPHY. SILO CORING IS PRESENT AT THE BASE OF A U-SHAPED PATTERN AT LAUNCH AREAS C (SITE 3), D (SITE 4), E (SITE 5), AND F. SILO CORING IS NO LONGER VISIBLE AT A AND B (SITES 1 AND 2). THE SIGNATURE OF THE SINGLE SILO IN MID-STAGE OF CONSTRUCTION IS A U-SHAPED EXCAVATION WITH A SQUARE WHITE AREA TO THE EAST AND A RECTANGULAR WHITE AREA TO THE WEST.

25X1

3. KAPUSTIN YAR LAUNCH COMPLEX A
A PROBABLE MISSILE EXERCISE APPEARS TO BE UNDERWAY, WITH A MISSILE ERECTED AT THE SOUTHERN LAUNCH PAD.

25X1

4. KAPUSTIN YAR LAUNCH COMPLEX B
A NEW BIVOUAC/TRAINING AREA IS LOCATED APPROXIMATELY 2.3 NM WEST OF LAUNCH COMPLEX B.

25X1

5. KAPUSTIN YAR LAUNCH COMPLEX C

LAUNCH AREA 1C (SITE 7) -- THE TWO PADS UNDER CONSTRUCTION ARE APPROXIMATELY 90 FT SQUARE AND A RAIL SPUR APPEARS TO TERMINATE AT THE CENTER OF EACH.

LAUNCH AREA 2C (SITE 6) -- THERE IS ACTIVITY ON BOTH PADS. THE SOUTHERN LAUNCH PAD CONTAINS A PROBABLE TRANSPORTER BACKED UP TO A PROBABLE ERECTOR.

LAUNCH AREA 4C (SITE 4) -- LAUNCH SITE 4C1 -- THE NEW RAIL LINE IS BEING CONTINUED TO THE LAUNCH SITE. A NEW SQUARE EXCAVATION IS LOCATED 200 FT SOUTH OF THE WESTERN REAR SILO.

LAUNCH AREA 5C (SITE 2) -- LAUNCH SITE 5C1 -- ACTIVITY IS EVIDENT ON BOTH PADS. TWO POSSIBLE TRANSPORTERS OBSERVED ON LOOP ROAD.

PROBABLE MISSILE ASSEMBLY AND CHECKOUT AREA -- WESTERN SECURITY

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FENCES EXTENDED TO INCLUDE ABOUT 40 PERCENT MORE AREA. NEW BUILDINGS UNDER CONSTRUCTION.

6. KAPUSTIN YAR LAUNCH COMPLEX E (SITE 3) [redacted]
AN UNIDENTIFIED OBJECT OBSERVED IN ONE CORNER OF THE PAD AT LAUNCH COMPLEX E. A NEW AREA IS UNDER CONSTRUCTION APPROXIMATELY 2.5 NM NNE OF LAUNCH COMPLEX E. A NEW BIVOUAC/TRAINING AREA IS OBSERVED APPROXIMATELY 2 NM WEST OF LAUNCH COMPLEX E.

7. SARY-SHAGAN SITE 13 [redacted]
THE PITCH OF THE TWO LINEAR BUILDINGS AT THE CENTRAL HEN HOUSE-TYPE STRUCTURE APPEARS TO DIFFER. THESE BUILDINGS APPEAR TO BE PARALLEL.

8. CHEREPOVETS SUSPECT AMM/SAM LAUNCH COMPLEX U/C [redacted]
NO SIGNIFICANT PROGRESS APPARENT AT SUSPECT LAUNCH SITES. AN EAST-WEST ROAD EXTENDING WESTWARD FROM A POINT NW OF THE SUPPORT AREA IS BEING IMPROVED AND EXTENDED TO THE WEST.

9. KANDALAKSHA SAM SITE (MISSILE BONUS)
SA-2 SAM SITE IS UNDER CONSTRUCTION.

10. KANDALAKSHA SAM TRAINING AREA (MISSILE BONUS)
NEWLY IDENTIFIED SAM TRAINING AREA CONSISTS OF TWO OCCUPIED SAM TRAINING SITES AND OTHER ASSOCIATED FACILITIES.

11. MAGADAN POSSIBLE SAM SITE (MISSILE BONUS)
A NEWLY IDENTIFIED POSSIBLE SA-3 SAM SITE IS UNDER CONSTRUCTION.

12. KEMEROVO STATIC TEST FACILITY (MISSILE BONUS)
A SECURED STATIC TEST FACILITY IN A LATE STAGE OF CONSTRUCTION IS LOCATED 5 NM NW OF KEMEROVO.

13. PITU AIRFIELD [redacted]
AIRFIELD CONSISTS OF TWO PARALLEL 8,000 FT RUNWAYS. TWO BADGER AIRCRAFT OBSERVED.

14. LODEYNOYE POLE AIRFIELD ([redacted]
TWENTY-THREE PROBABLE FISHBED/FISHPOT AND 21 SMALL SWEPT-WING FIGHTERS OBSERVED.

[redacted]

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16. MYS MELOVOY PROBABLE NUCLEAR DESALINIZATION PLANT
THE IRREGULAR STRUCTURE OF THE DESALINIZATION BUILDING IS PROBABLY COMPLETE. LOCATION OF A REACTOR BUILDING CANNOT BE DETERMINED.

17. SURABAJA NAVAL BASE AND SHIPYARD
NAVAL VESSELS INCLUDE 3 PROBABLE SMALL SS, 2 POSSIBLE SS, 4 DD, 4 DE, 3 AUXILIARIES, AND NUMEROUS SMALLER CRAFT.

18. AL LADHIQIYAH NAVAL BASE AL MINA AL BAYDAH (NAVAL BONUS)
VESSELS -- 3 KOMAR-CLASS PGMG AND 3 POSSIBLE PT BOATS.

STATUS OF COMOR TARGET READOUT

A TOTAL OF 239 COMOR TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE COVERED IN PART I AND PART II.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING ON SUCCEEDING PAGES.

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 3 -- SAM AND AMM DEPLOYMENT
TABLE 4 -- NUCLEAR ENERGY ACTIVITY
TABLE 5 -- AIRCRAFT ACTIVITY
TABLE 6 -- SUBMARINE ACTIVITY
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Table 1. Soviet ICBM Deployment

Complex	Launch Area A	B	C	D	E	F	G	H	I	J	K	L	M	N	Total Soft Sites	Total Hard Sites	Total Launch Positions
Aleysk	(M)	(M)	(M)	(M)	(M)	(E)										6	6
Dombarovskiy	M	M	E	E	E											5	5
Dvoynaya	(C)	C	C	(C)	L	(L)									3	3	15
Gladkaya	C	C		M	E										2	2	10
Itatka	C	C	C												3		6
Kartaly	E	E	E													3 (1 †)	3 (1 †)
Kostroma	C	C	C	C	C	C	C	M							6	2	18
Kozelsk	C	C		C	C	L									1	2	12
Novosibirsk	(L)	C	L	C	C										3	2	12
Olovyannaya	C	L	L	M												0	15
Omsk	C															1	3
Perm	C	C	C	C	C	L									5	1	13
Plesetsk*	C	C	C		C	C	E	E							*11	1	19
Shadrinsk	(C)	(C)	(L)													3	9
Svobodnyy	C	C	C	C	C	C	L	C							7	1	17
Teykovo	C	C	C	C	C	C									6		12
Tyumen	C		C												2		4
Uzhur	M	M	M	M	M	E										6	6
Verkhnyaya Salda	C	C	C	C	C	C	C	C	C						7	2	20
Yedrovo	C	C	C	C	C	C	C	M	C						6	3	21
Yoshkar-Ola	C	C	C	C	C	C									6		12
Yurya	C	C	C	C	C	C	C	C	C	C	L				8	3	25
Zhangiz-Tobe	(M)	(M)	M	M	E											5	5
Tyuratam MTC	(C)	(C)	C	L	C	C	M	C	(M)	(M)	M				10	9	35
	Construction Status (C-complete, L-late, M-mid, E-early)														Deployment Total	78	69 (1 †)	298 (1 †)
															Grand Total	88	69 (1 †)	303 (1 †)

*Includes Launch Points I-IV, complete **Carried as Launch Group † Possible

There are 31 deployed single silo sites with 31 launch positions. At Tyuratam there are five single silo sites with eight launch positions.

□ Newly identified

○ Covered by current mission

MISSION 4011, 24-27 SEPTEMBER 1964

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	18	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	4	1	5	12	43
Far Eastern	11	1		2	14	54
Totals	137	16	21	21	195	759

Totals do not include 60 fixed-field-type sites with total of 223 clearings and one launch facility at Sovetskaya Gavan.

Table 3. SAM and AMM Deployment

		Country														
		USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba	India	Totals
SA-0	SAM sites	13														13
SA-1	SAM sites	56														56
SA-2	SAM sites	929	1	19	22	16	30	16	3	12	2	4	13	24	1	1139
SA-3	SAM sites	98					1									99
SAM support facilities		183	1	3	5	3	6	4	1		1		3	6		220
Probable AMM complexes		3														3
AMM/SAM complexes		2***														2

*Does not include 4 alternate sites
**Does not include 22 abandoned sites.
***Includes 1 suspect complex.
† Possible

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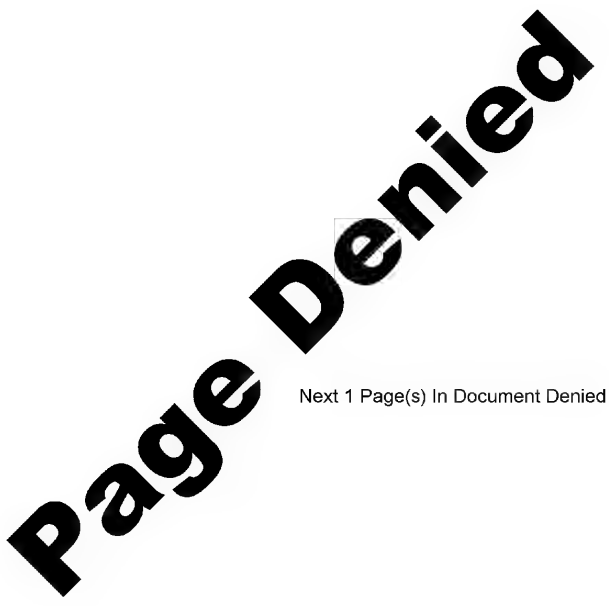

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Table 5. AIRCRAFT ACTIVITY

Airfield	Last Coverage	Previous Significant Aircraft Count: BISON	BEAR	BADGER	BLINDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISHBED	FISHPOT	FIREBAR/BREWER	TOTALS	Observed this Mission: BISON	BEAR	BADGER	BLINDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISHBED	FISHPOT	FIREBAR/BREWER	TOTALS
Akhtubinsk Vladimirovka	Jun 64		2	26																							
Belaya	Aug 64			12																							
Cradsy Leninka	Apr 64			57							22				31												
Anisovo Gorodishche	Feb 64														57												
Arkhangelsk Kholm*	Feb 64																										
Artem North	Sep 64																										
Baranovichi*	Sep 64																										
Borzya NW	Sep 64																										
Belaya Tserkov	Sep 64																										
Bobruysk*	Sep 64																										
Chernovo-Glinskoye	Sep 64																										
Bykhov*	Sep 64																										
Chepelevka*	Sep 64																										
Dolon*	Sep 64																										
Donuslav Lake	Dec 63																										
Engels*	Aug 64																										
Gomel Pribytki	Sep 64																										
Kalinin*	Jun 64																										
Kaliningrad Proveren	Sep 64																										
Komsomolsk Plt 126	Jun 64																										
Kazan A C Plt 22	Sep 64																										
Mal Yasr	Jul 64																										
Melitopol	Mar 64																										
Minsk Machulishche*	Aug 64																										
Murgurod	Sep 64																										
Moscow Ramenskoye	Sep 64																										
Mozdok*	Aug 64																										
Nezhin	Sep 64																										
Nikolayev, Kulbakino	Dec 63																										
Oktyabrskoye	Dec 63																										
Olenegorsk	Jun 64																										
Orsha Southwest*	Sep 64																										
Ostrov Gorokhovka	Aug 64																										
Petropavlovsk Yelizovo	Mar 64																										
Poltava*	Jun 64																										
Priluki*	Sep 64																										
Romanovka West	Apr 64																										
Ryazan Dyagilevo	Sep 64			32 B B																							
Saki	Sep 64																										
Sarabuz	Mar 64																										
Severomorsk	Mar 64																										
Siauliai*	Sep 64			16 B B																							
Soltsy*	Aug 64																										
Spassk Dalniy East	Sep 64																										
Stryy*	Jun 64																										
Tartu	Jul 64																										
Ukraina*	Sep 64			1 B B																							
Ussuriysk Vozdvizhenka*	Sep 64																										
Zhitomir Skomorokhi*	Sep 64																										
TOTALS	1010-2			26 B B																							

*NUCLEAR WEAPONS STORAGE † POSSIBLE ‡ PROBABLE **BADGER/CAMEL ***PLUS 4 BADGER/CAMEL COOKPOT

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Table 6. Submarine Activity.

Base	Last Effective Coverage	Previous Submarine Count: SSBN, H-class	SSGN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSG, W-Longbin	SSN, N-class	SS, F-class	SS, Z-class	SS, R-class	SS, Q-class	SS, W-class	SS, Unidentified	QSS (SHCH IV, L-III M-V, S-V, etc.)	TOTALS	Observed This Mission: SSBN, H-class	SSGN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSG, W-Longbin	SSN, N-class	SS, F-class	SS, Z-class	SS, R-class	SS, W-class	SS, Unidentified	QSS (SHCH IV, L-III M-V, S-V, etc.)	TOTALS
Balakhava	Sep 64										5† W/R					5													NC
Dunay	Sep 64														1†	1													NC
Gorkiy	Jun 64														2	2													IDO
Khronstadt	Jul 64														2†	11													NC
Komsomolsk	Aug 64	1†													1†	2													CC
Leningrad	Jul 64														5	5													NC
Liepaya	Sep 64								1† F/Z		5† W/R			5†		11							1† F/Z		6† W/R		1†	2†	10
Litsa Bay	Aug 64														4	4													CC
Magadan	Jun 64											3†				3													0
Olenya Guba	Jul 64														3	3													CC
Pechenga	Jan 64										2 W/R				1†	7													NC
Petropavlovsk/ Kamchatskiy	Sep 64		2‡					1†	5‡ F/Z		3 W/R				4 2†	17													CC
Petrovka	Sep 64	3‡									5† W/R					6													NC
Polyarnyy	Aug 64														10	10													CC
Riga	Aug 64										1† W/R					1													NC
Rosta	Jun 64		5‡						3†,1‡F/Z		4‡				6	30													CC
Sayda Guba	Aug 64										4‡				6	6										9			9
Sevastopol	Sep 64				1										9	10													NC
Severodvinsk	Aug 64	3‡						1†	11 F/Z						7 4†	16													0
Severomorsk	Jun 64		T‡													1													CC
Sovetskaya Gavan	Aug 64										2W/R 1† W/R				1†	4													NC
Strelok Strait	Sep 64	2‡													1†	4													NC
Ura Guba	Jul 64										5† W/R				6‡ 4†	15													NC, CC
Vladimir	Jun 64														4 2†	6													IDO
Vladivostok	Sep 64															0													NC
Yokanga	Jul 64											4†				4													NC
Paldiski	Aug 64											9‡ (Q-class)			1†	10													
TOTALS		6	8	0	1	0	2	1F/Z	0	2W/R	12	97	8		161								1† F/Z		6‡ W/R		1†	2†	19

SQ

Al Iskandariyan (LG)-2† SS and 4† "W" SS

*E-I Class † POSSIBLE ‡ PROBABLE NC NOT COVERED CC CLOUD COVERED ID IDENTIFICATION ONLY Surabaja NVB (12)-3‡ Small SS & 2‡ SS

MISSION 4011, 24-27 SEPTEMBER 1964

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25X1

MISSILES

25X1 TYURATAM LAUNCH COMPLEX A (SITES 1, 15) UR 4555N Ø6320E

NO SIGNIFICANT CHANGE SINCE [redacted] SEP 64.

25X1

25X1 TYURATAM LNCH COMPLEX B (SITES 2, 16, 17) UR 4559N Ø6333E

NON-STEREO COVERAGE INDICATES NO SIGNIFICANT CHANGE SINCE [redacted] SEP 64.

25X1

LAUNCH AREA B3 (SITE 17) IS IDENTIFICATION ONLY.

25X1

25X1 TYURATAM LAUNCH COMPLEX I (SITE 14) UR 4555N Ø6326E

STEREO COVERAGE REVEALS NO SIGNIFICANT CHANGE SINCE [redacted] SEP 64.

25X1

25X1 TYURATAM COMPLEX J UR 4554N Ø6316E

NO SIGNIFICANT CHANGE SINCE [redacted] SEP 64.
AT LEAST 17 VEHICLES/PIECES OF EQUIPMENT OBSERVED ON THE AREA OF SCARRING AND TRACK ACTIVITY 3,ØØØ FT NE OF THE TERMINUS OF THE COMPLEX MAIN ROAD.

25X1

25X1 TYURATAM MAIN SUPPORT BASE UR 4538N Ø6317E

NON-STEREO COVERAGE REVEALS NO SIGNIFICANT CHANGE SINCE [redacted] SEP 64.

25X1

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25X1

25X1

SHADRINSK ICBM LAUNCH AREA A (SITE 1) UR 5608N 06351E

LAUNCH AREA COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY.

ALL THREE SILO DOORS ARE IN THE OPEN POSITION, WITH AN UNIDENTIFIED OBJECT CASTING A SHADOW FROM IN FRONT OF THE RIGHT AND CENTER SILOS. TWO LINEAR OBJECTS MEASURING 90 FT AND 70 FT ARE LOCATED ON THE LOOP ROAD. THE LONGER OF THESE OBJECTS GIVES A STRONG INDICATION OF HAVING A POINTED OR TAPERED END.

25X1

25X1

SHADRINSK ICBM LAUNCH AREA B (SITE 2) UR 5609N 06402E

LAUNCH AREA COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGES OBSERVED SINCE

25X1

25X1

HADRINSK ICBM LAUNCH AREA C (SITE 3) UR 5606N 06356E

LAUNCH AREA IS COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY. CONSTRUCTION CONTINUES AND SITE REMAINS IN LATE STAGE OF CONSTRUCTION. SILO DOORS ARE IN PLACE AND OPEN.

25X1

25X1

ALEYSK ICBM COMPLEX UR 5229N 08243E

LAUNCH AREA E (SITE 5), IN A MID-STAGE OF CONSTRUCTION, IS COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY. A SILO CORING IS PRESENT WITHIN A U-SHAPED EXCAVATION. A SMALL SQUARE WHITE AREA IS PRESENT ON THE EAST SIDE AND THREE SMALL BUILDINGS ARE NEARBY. A SECURITY FENCE ENCLOSES THE SITE.

SITE SUPPORT FACILITY, LOCATED APPROXIMATELY ONE NM SOUTH ON THE OUTSKIRTS OF A SMALL TOWN, CONSISTS OF

25X1

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25X1
25X1

2 LARGE BUILDINGS AND SEVERAL SMALL STRUCTURES.

LAUNCH AREA F, IN A MID-STAGE OF CONSTRUCTION, IS COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY. A SILO CORING IS VISIBLE WITHIN A U-SHAPED EXCAVATION. A SMALL SQUARE AREA IS PRESENT ON THE EAST SIDE AND A RECTANGULAR AREA ON THE WEST. TWO SMALL BUILDINGS ARE NEARBY. A SECURITY FENCE ENCLOSES THE AREA. THE SITE SUPPORT FACILITY IS LOCATED APPROXIMATELY ONE NM SE AND CONSISTS OF 2 LARGE AND 2 SMALL BUILDINGS.

(ATTACHMENT 5-7)

25X1

25X1

ALEYSK ICBM LAUNCH AREA A (SITE 1) UR 5228N Ø8236E

LAUNCH AREA, COVERED BY POOR-QUALITY STEREO PHOTOGRAPHY, IS IN A MID-STAGE OF CONSTRUCTION, WITH AN UNIDENTIFIED OBJECT EXTENDING TO THE CENTER OF A ROUGHLY U-SHAPED EXCAVATION. THREE RATHER LARGE AND 3 SMALL BUILDINGS ARE IMMEDIATELY SOUTH OF THE SITE AND A LARGE SPOIL PILE ADJOINS THE EXCAVATION ON THE SW. A SMALL SQUARE WHITE AREA IS ADJACENT ON THE EAST SIDE AND A RECTANGULAR WHITE AREA ON THE WEST. A SITE SUPPORT FACILITY LOCATED APPROXIMATELY ONE NM EAST CONSISTS OF 2 LARGE AND 2 SMALL BUILDINGS.

(ATTACHMENT 1)

25X1

25X1

ALEYSK ICBM LAUNCH AREA B (SITE 2) UR 5230N Ø8240E

LAUNCH AREA IS COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY. LOCATED WITHIN A PROBABLE BOARD FENCE IS A U-SHAPED EXCAVATION WITH A SMALL SQUARE WHITE AREA TO THE EAST, A WHITE RECTANGULAR AREA TO THE WEST, AND 4 MEDIUM AND FOUR SMALL BUILDINGS. NO SILO CORING OBSERVED, ALTHOUGH IT WAS PLAINLY SEEN ON JUL 64.

25X1

25X1

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SITE SUPPORT FACILITY IS LOCATED JUST OUTSIDE THE FENCE AND CONSISTS OF 2 LARGE BUILDINGS (ONE UNDER CONSTRUCTION) AND FOUR SMALL STRUCTURES.

(ATTACHMENT 2)

25X1

25X1

ALEYSK ICBM LAUNCH AREA C (SITE 3) UR 5233N Ø8245E

LAUNCH AREA, COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY, IS IN A MID-STAGE OF CONSTRUCTION AND CONSISTS OF A SILO CORING WITHIN A U-SHAPED EXCAVATION. THERE IS A WHITE RECTANGULAR AREA TO THE WEST AND A SMALL NEARLY SQUARE WHITE AREA TO THE EAST. A SECURITY FENCE IS UNDER CONSTRUCTION. THERE ARE SEVERAL VERY SMALL POSSIBLE STRUCTURES NEARBY. A SITE SUPPORT FACILITY IS LOCATED ABOUT .5 NM NW AND CONTAINS 3 LARGE AND 8 SMALLER STRUCTURES.

(ATTACHMENT 3)

25X1

25X1

ALEYSK ICBM LAUNCH AREA D (SITE 4) UR 5232N Ø8234E

LAUNCH AREA IS COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY. A SECURITY FENCE SURROUNDS THE SITE, WHICH IS IN A MID-STAGE OF CONSTRUCTION. A SILO CORING IS VISIBLE WITHIN A U-SHAPED EXCAVATION. IRREGULAR WHITE AREAS ARE PRESENT ON THE EAST AND WEST SIDES. THERE ARE TWO SMALL STRUCTURES NEARBY. A SITE SUPPORT FACILITY IS LOCATED APPROXIMATELY .5 NM WEST AND CONSISTS OF 2 LARGE AND 8 SMALLER BUILDINGS.

(ATTACHMENT 4)

25X1

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KAPUSTIN YAR LAUNCH COMPLEX A UR 4842N 04615E

LAUNCH FACILITIES SHOW NO APPARENT CHANGE SINCE APR 64. A PROBABLE MISSILE EXERCISE IS UNDERWAY AT THE SOUTHERN LAUNCH PAD OF COMPLEX A. THE MISSILE APPEARS TO BE ERECTED. TWO OR THREE VEHICLES ARE ON THE WESTERN EDGE OF THE PAD AND APPROXIMATELY SIX VEHICLES ARE NEAR THE WESTERN SIDE OF THE PAD. POOR IMAGE QUALITY PRECLUDES IDENTIFICATION OF VEHICLES AND MISSILE TYPES. THERE IS ALSO A POSSIBLE MISSILE TRANSPORTER ON THE NORTHERN LAUNCH PAD. THE NORTHERN EARTH-RAMP STRUCTURE DOES NOT APPEAR ACTIVE, ALTHOUGH THERE ARE THREE UNIDENTIFIED OBJECTS AT THE TOP OF THE STRUCTURE. THE SOUTHERN EARTH-RAMPED STRUCTURE IS INACTIVE. IN THE HOUSING AND SUPPORT AREA THE LARGE MULTISTORY BUILDING THAT WAS UNDER CONSTRUCTION ON APR 64, HAS BEEN COMPLETED AND THE FOUNDATION AND PART OF THE WALLS OF ANOTHER STRUCTURE HAVE BEEN ERECTED. APPROXIMATELY 25 VEHICLES ARE VISIBLE IN THIS AREA. THE SECURED AREA CONTAINING THE LARGE MISSILE ASSEMBLY AND CHECKOUT BUILDING IS ACTIVE AND CONTAINS APPROXIMATELY 10 VEHICLES. THE NEARBY SAM SITE IS OCCUPIED AND APPROXIMATELY 15 VEHICLES ARE IN THE ADJACENT PARKING AREA. AN ATHLETIC FIELD IS VISIBLE BETWEEN THE SAM SITE AND HOUSING AND SUPPORT AREA. NO CHANGES ARE EVIDENT IN THE SAM SUPPORT AND HOUSING AREA. SEVERAL UNIDENTIFIABLE VEHICLES ARE VISIBLE IN THE AREA.

TROOP TRAINING AREA LOCATED APPROXIMATELY 3 NM SSW OF LAUNCH COMPLEX E AND 1.5 NM NW OF LAUNCH COMPLEX A -- WALLS ARE UP ON LARGE BUILDING IN THE SW CORNER OF BUILDING AREA. ONLY THE FOUNDATION WAS VISIBLE ON APR 64, AND WALL CONSTRUCTION HAD NOT YET BEGUN ON JUN 64. CONSTRUCTION APPEARS TO BE COMPLETE ON 3 SMALL BUILDINGS IN SW CORNER OF BUILDING AREA WHICH WERE UNDER CONSTRUCTION ON JUN 64.

THE MOTOR POOL UNDER CONSTRUCTION ON JUN 64, NOW APPEARS COMPLETE AND SECURED. NO NEW BUILDINGS HAVE BEEN ADDED SINCE JUN 64. APPROXIMATELY 50 VEHICLES ARE PARKED IN THIS AREA. THE OLD MOTOR POOL IMMEDIATELY NORTH OF THE NEW MOTOR POOL CONTAINS APPROXIMATELY 40 VEHICLES,

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25X1
25X1

BUT MOST OF THOSE PRESENT ON [redacted] APR 64, HAVE PROBABLY BEEN TRANSFERRED TO THE NEW MOTOR POOL AREA. ALL OTHER VEHICLE PARKING APPEARS TO HAVE BEEN TRANSFERRED TO THE OLD TENT CAMP AREA, WHICH EXTENDED NORTH FROM THE BUILDING AREA. THIS AREA HAS BEEN CONVERTED TO A VEHICLE PARK AND CONTAINS APPROXIMATELY 200 VEHICLES PARKED IN TWO LONG ROWS.

25X1

(ATTACHMENT 8)

25X1

[redacted] KAPUSTIN YAR LAUNCH COMPLEX B UR 4841N 04616E

25X1

NO APPARENT CHANGE SINCE [redacted] APR 64, IN LAUNCH OR SUPPORT FACILITIES. ELEVEN LARGE AND 4 SMALL VEHICLES ARE PRESENT ON THE PARKING APRON IN THE SUPPORT AREA AND AT LEAST 15 LARGE AND 6 SMALL OBJECTS, POSSIBLY CRATES, ARE ALSO PRESENT IN THE SUPPORT AREA.

A BIVOUAC AREA JUST SW OF THE COMPLEX SUPPORT AREA CONTAINS 4 LARGE TENTS, 13 PERSONNEL TENTS, AND TWO POSSIBLE MISSILE-READY TENTS. THREE PROBABLE MISSILE TRANSPORTERS AND APPROXIMATELY 15 SMALL VEHICLES ARE PARKED IN THE AREA.

A SECOND BIVOUAC AREA CONTAINS APPROXIMATELY 30 PERSONNEL TENTS, 2 LARGE TENTS, AND 4 LARGE AND 12 SMALLER VEHICLES. ADJACENT TO THIS AREA IS A PROBABLE TRAINING AREA CONSISTING OF TWO DRIVE-UNDER STRUCTURES LOCATED IN THE CENTER OF TWO LONG NARROW SCARS WHICH FORM A VEE PATTERN.

A NEW BIVOUAC/TRAINING AREA LOCATED APPROXIMATELY 2.3 NM WEST OF LAUNCH COMPLEX CONSISTS OF 4 SECTIONS, EACH ENCLOSED BY A FIREBREAK. THE LARGEST SECTION CONTAINS 2 PROBABLE BUILDINGS, 5 SQUAD-TYPE TENTS, APPROXIMATELY 50 PERSONNEL TENTS, AND APPROXIMATELY 6 SMALL VEHICLES. ADJACENT TO THIS AREA ARE 12 PERSONNEL TENTS, ONE PROBABLE BUILDING, ONE PROBABLE MISSILE TRANSPORTER, AND 7 SMALLER VEHICLES. THE MOTOR POOL, THE SECOND

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25X1

LARGEST SECTION, CONTAINS 5 MISSILE TRANSPORTERS, 4 LONG VEHICLES, AND APPROXIMATELY 40 SMALLER VEHICLES. ONE PROBABLE BUILDING IS ADJACENT TO THE TWO REMAINING SECTIONS. ONE SECTION CONTAINS ONE TENT AND 8 VEHICLES AND THE OTHER CONTAINS 5 VEHICLES.

(ATTACHMENT 9)

25X1

KAPUSTIN YAR LNCH CMPLX C (SITES 2, 4-9) UR 4836N 04616E

25X1

LAUNCH 1C (SITE 7) -- THE TWO PADS AT LAUNCH AREA 1C ARE STILL UNDER CONSTRUCTION. THE PADS ARE APPROXIMATELY 90 FT SQUARE AND A RAIL SPUR APPEARS TO TERMINATE AT THE CENTER OF EACH. A NEW FENCE LINE HAS BEEN CONSTRUCTED TO INCLUDE THE ENTIRE 1C LAUNCH AREA, INCLUDING THE TWO PADS UNDER CONSTRUCTION. THE RAIL-SERVED LAUNCHER HAS BEEN REMOVED FROM THE OLD LAUNCH PAD. THERE ARE 5 PIECES OF UNIDENTIFIED EQUIPMENT ON THIS PAD AND TWO NEW BUILDINGS HAVE BEEN COMPLETED WEST OF IT. THERE ARE TWO VEHICLES ON THE ACCESS ROAD TO THE SITE AND AN UNIDENTIFIED OBJECT IS ON THE RAIL LINE OUTSIDE THE LAUNCH AREA FENCE LINE.

FINAL CHECKOUT AREA 1C -- NO APPARENT CHANGE IN PERMANENT FACILITIES SINCE JUN 64. THERE ARE TWO VEHICLES PARKED ON THE ROAD IN THE CHECKOUT AREA.

25X1

LAUNCH AREA 2C (SITE 6) -- THE PERMANENT FACILITIES AT LAUNCH AREA 2C REMAIN UNCHANGED SINCE JUN 64. THERE IS ACTIVITY ON BOTH PADS AND A VEHICLE CONVOY IS ON THE ACCESS ROAD IMMEDIATELY OUTSIDE THE LAUNCH AREA. THE CONVOY INCLUDES 10 VEHICLES OF VARIOUS SIZES -- THE TWO LONGEST MEASURING APPROXIMATELY 55 FT. THE SOUTHERN LAUNCH PAD CONTAINS A PROBABLE TRANSPORTER BACKED UP TO A PROBABLE ERECTOR. THE TOTAL LENGTH OF BOTH VEHICLES IS 130 FT. ANOTHER SMALL VEHICLE IS IN MOTION ON THE PAD. THE NORTHERN PAD CONTAINS 3 VEHICLES APPROXIMATELY 65 FT LONG AND

25X1

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AN UNIDENTIFIED PIECE OF EQUIPMENT. THERE IS A VEHICLE APPROXIMATELY 65 FT LONG IN FRONT OF THE NORTHERN VEHICLE STALL AND APPROXIMATELY 7 ADDITIONAL VEHICLES IN THE IMMEDIATE AREA. POOR IMAGE QUALITY PRECLUDES ADDITIONAL VEHICLE IDENTIFICATION.

LAUNCH AREA 3C (SITE 5) -- THERE IS NO ACTIVITY ON THE LAUNCH PADS AT LAUNCH AREA 3C. HOWEVER, APPROXIMATELY 20 VEHICLES ARE GROUPED AROUND ONE OF THE 3 MOCK-UP MISSILES LOCATED WEST OF THE LAUNCH PAD. THE VEHICLES CANNOT BE IDENTIFIED DUE TO POOR IMAGE QUALITY.

FINAL CHECKOUT AREA 3C -- IN THE NW SECTION OF FINAL CHECKOUT AREA 3C IS ONE NEW BUILDING APPROXIMATELY 90 X 30 FT WHICH WAS NOT PRESENT ON [redacted] APR 64. THERE IS A PROBABLE PRIME MOVER WITH TRAILER APPROXIMATELY 55 FT LONG PARKED ON A HARDSTAND IN FRONT OF ONE OF THE SUPPORT BUILDINGS. THERE ARE NO OTHER CHANGES OR ACTIVITY APPARENT IN THIS SUPPORT AREA.

LAUNCH AREA 4C (SITE 4) -- 4C1 HARD MRBM LAUNCH SITE -- ACTIVITY AND NEW CONSTRUCTION ARE NOTED AT LAUNCH SITE SINCE [redacted] THE NEW RAIL LINE BRANCHING OFF THE LINE SERVING LAUNCH AREA 1C IS BEING CONTINUED TO THE LAUNCH SITE. THE RAIL BED TERMINATES IN A FORK JUST EAST OF THE WESTERN REAR SILO. A NEW SQUARE EXCAVATION LOCATED APPROXIMATELY 200 FT SOUTH OF THE WESTERN REAR SILO CONTAINS A ROW OF 4 LINEAR OBJECTS AND A CIRCULAR HOLE OR REVETMENT. A LARGE STRUCTURE IS OBSERVED BETWEEN THE EXCAVATION AND THE SITE ACCESS ROAD. THE TALL STRUCTURE FORMERLY POSITIONED OVER THE EASTERN FORWARD SILO HAS BEEN MOVED NORTH TO THE SILO COVER. A CRANE IS DISCERNIBLE NEAR THE EASTERN REAR SILO AND AN UNIDENTIFIED VEHICLE IS AT THE EASTERN FORWARD SILO. APPROXIMATELY 10 VEHICLES ARE PARKED IN TWO ROWS EAST OF THE LAUNCH SILOS.

4C2 HARD IRBM LAUNCH SITE -- NO APPARENT CHANGE IN FACILITIES SINCE [redacted] APR 64. SIX UNIDENTIFIED VEHICLES ARE PARKED ON THE

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25X1
25X1

SITE LOOP ROAD AND ONE NEXT TO THE CLOSED WESTERN FORWARD SILO.

4C SUPPORT AREA -- DISMANTLING OF BUILDINGS CONTINUES. APPROXIMATELY 8 BUILDINGS HAVE BEEN DISMANTLED SINCE APR 64.

25X1

LAUNCH AREA 5C (SITE 2) -- LAUNCH SITE 5C1 -- NO APPARENT CHANGE IN THE LAUNCH SITE FACILITIES SINCE JUN 64. ACTIVITY IS EVIDENT ON BOTH OF THE ELONGATED PADS. THREE UNIDENTIFIED VEHICLES ARE ON THE NORTHERN PAD AND ONE IS PARKED IN THE CENTER OF THE SOUTHERN PAD. TWO POSSIBLE TRANSPORTERS AND 3 UNIDENTIFIED VEHICLES ARE OBSERVED ON THE LOOP ROAD, 5 UNIDENTIFIED VEHICLES ARE ON A PARKING APRON, AND ONE IS PARKED ON A ROAD EXTENDING EAST FROM THE NORTHERN PAD.

25X1

LAUNCH SITE 5C2 -- NONE OF THE BUILDINGS ARE COMPLETE AND THE PADS REQUIRE ADDITIONAL WORK. NO VEHICLES ARE OBSERVED WITHIN THE LAUNCH SITE.

NORTH SUPPORT AREA -- THE ADDITION OF 3 BUILDINGS APPROXIMATELY 800 FT WEST OF THE MAIN BUILDING AREA IS THE ONLY SIGNIFICANT CHANGE IN THIS AREA.

SOUTH SUPPORT AREA -- THE TWO BUILDINGS REPORTED UNDER CONSTRUCTION , APR 64, NOW APPEAR TO BE COMPLETE. NO OTHER SIGNIFICANT CHANGES ARE APPARENT.

25X1

OPERATIONS CONTROL CENTER -- NEW CONSTRUCTION OF UNDETERMINED TYPE IS UNDERWAY JUST SOUTH OF THE ROAD AT LAUNCH COMPLEX C OPERATIONS CONTROL CENTER.

FINAL ASSEMBLY AND CHECKOUT AREA -- NO APPARENT CHANGE IN PERMANENT FACILITIES SINCE APR 64. SEVEN RAIL CARS AND APPROXIMATELY 20 VEHICLES ARE LOCATED WITHIN THE SECURED AREA.

25X1

PROBABLE MISSILE ASSEMBLY AND CHECKOUT AREA -- THE RAIL-SERVED PROBABLE MISSILE ASSEMBLY AND CHECKOUT AREA APPROXIMATELY 5.5 NW OF THE LAUNCH COMPLEX C

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25X1

FINAL ASSEMBLY AND CHECKOUT AREA SHOWS NEW ACTIVITY. THE WESTERN SECURITY FENCES HAVE BEEN EXTENDED WEST SINCE [redacted] JUN 64, TO INCLUDE APPROXIMATELY 40 PERCENT MORE AREA. IN THE SW SECTION OF THIS AREA THERE ARE THREE POSSIBLE 175 X 55 FT DRIVE-THROUGH BUILDINGS UNDER CONSTRUCTION. APPROXIMATELY 1,500 FT NORTH IS ANOTHER NEW BUILDING, MEASURING APPROXIMATELY 110 X 50 FT, WHICH WILL PROBABLY BE RAIL ENTERED. IN THE SOUTHERN PORTION OF THE ORIGINAL AREA A RAIL-SERVED PROBABLE DRIVE-IN BUILDING MEASURING APPROXIMATELY 90 X 35 FEET HAS BEEN CONSTRUCTED SINCE [redacted] JUN 64.

25X1

25X1

UNIDENTIFIED FACILITY -- THE UNIDENTIFIED FACILITY APPROXIMATELY 4.5 NM NORTH OF THE LARGE MISSILE ASSEMBLY AND CHECKOUT BUILDING SHOWS NO APPARENT CHANGE IN EXISTING FACILITIES SINCE [redacted] JUN 64. THE LARGEST BUILDING IN THIS AREA NOW APPEARS TO HAVE A LARGE STEP IN THE ROOF LINE AT THE FRONT OF THE BUILDING. THE APRON AT THE REAR OF THIS BUILDING HAS BEEN EXTENDED UP TO THE DOUBLE RAIL SPUR THAT TERMINATES AT THE BUILDING. THE INTERNAL ROAD NETWORK OF THE INSTALLATION HAS BEEN SLIGHTLY EXPANDED AND IMPROVED. NO RAILROAD EQUIPMENT IS VISIBLE IN THE AREA AND ONLY A FEW VEHICLES ARE PRESENT; NONE OF WHICH ARE IDENTIFIABLE.

25X1

WARHEAD HANDLING AND CHECKOUT AREA WEST -- NO APPARENT CHANGE IN THE PERMANENT FACILITIES FROM [redacted] MAR 64. AREA CONTAINS APPROXIMATELY 13 RAIL CARS AND APPROXIMATELY 20 VEHICLES.

25X1

WARHEAD HANDLING AND CHECKOUT AREA EAST -- NO APPARENT CHANGE IN PERMANENT FACILITIES FROM [redacted] MAR 64. AREA CONTAINS AN UNIDENTIFIED VEHICLE APPROXIMATELY 80 FT LONG AND 3 OTHER SMALLER VEHICLES.

25X1

SSM BIVOUAC AREA -- ONLY SLIGHT CHANGE HAS TAKEN PLACE IN THE AREA SINCE [redacted] APR 64. THREE OF THE TRAINING AREAS ARE ACTIVE AND 7 OF THE PREVIOUSLY REPORTED BUILDINGS UNDER CONSTRUCTION ARE NOW COMPLETE. APPROXIMATELY 40 VEHICLES ARE

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AIR FACILITIES

THE TERM LARGE FIGHTER IN AIRFIELD REPORTS REFERS TO AIRCRAFT LARGER THAN FARMER. THE TERM SMALL FIGHTER REFERS TO AIRCRAFT IN THE FAGOT-FARMER SIZE RANGE.

25X1

OSTROV GREEM-BELL AIRFIELD UR 8113N Ø6427E

AIRFIELD SUPPORT CONSISTS OF 8 SMALL BUILDINGS LOCATED ON THE EAST SIDE OF THE RUNWAY. RUNWAY IS SERVICEABLE WITH UNDETERMINED SURFACE.

25X1

AIRCRAFT -- -- ONE POSSIBLE MEDIUM SWEPT-WING. -- ONE PROBABLE MEDIUM SWEPT-WING.

25X1

25X1

MOZDOK AIRFIELD UR 4347N Ø4436E

CONSTRUCTION CONTINUES ON RUNWAY AND TAXIWAYS.

NO AIRCRAFT OR ASM OBSERVED.

25X1

25X1

PITU AIRFIELD ID Ø2Ø2N 12819E

TWO PARALLEL 8,ØØØ X 14Ø FT E/W PACKED ROCK RUNWAYS. BOTH APPEAR SERVICEABLE. SOUTH RUNWAY PROBABLY USED AS PARKING APRON AND TAXIWAY. TWO SUPPORT BUILDINGS OBSERVED JUST SOUTH OF RUNWAYS.

AIRCRAFT -- 2 BADGER, ONE LIGHT STRAIGHT-WING, AND 3 SMALL POSSIBLE AIRCRAFT.

25X1

25X1

PRILUKI AIRFIELD UR 5Ø34N Ø3219E

NO APPARENT CHANGE IN FACILITIES SINCE

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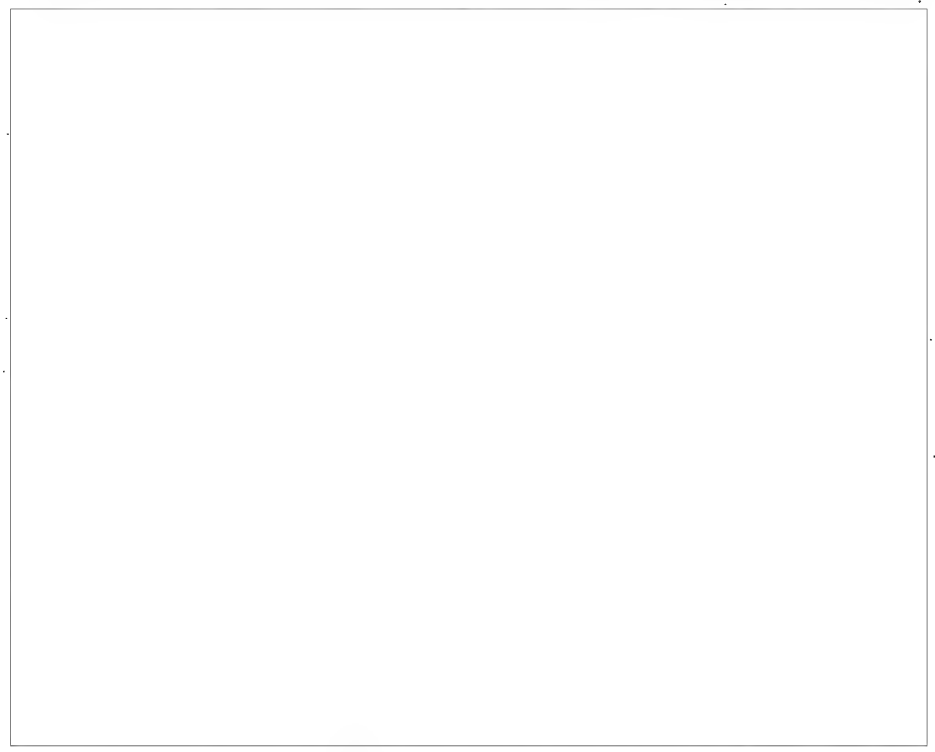
LOCATED IN THE MOTOR POOL AND APPROXIMATELY 20 OTHER VEHICLES ARE LOCATED IN AN AREA IMMEDIATELY SOUTH OF THE MOTOR POOL. POOR IMAGE QUALITY PRECLUDES IDENTIFICATION OF VEHICLE TYPES. APPROXIMATELY 4 LARGE AND 2 SMALL TENTS REMAIN IN THE SOUTHERN SECTION OF THE AREA.

RANGEHEAD INTERFEROMETER SITE -- NO APPARENT CHANGE IN FACILITIES SINCE [redacted] APR 64. AN ATHLETIC FIELD HAS BEEN ADDED ADJACENT TO THE SITE.

25X1

25X1



[redacted] KAPUSTIN YAR LAUNCH COMPLEX E (SITE 3) UR 4846N 04618E

SINCE [redacted] JUN 64, NEW SCARRING HAS

25X1

25X1

25X1

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APPEARED NORTH OF THE PAD AND PARALLEL TO THE SOUTHERN LOOP ACCESS ROAD. NEW FIREBREAKS HAVE BEEN EXTENDED THROUGH THE OLD FENCE-LINE TO INCLUDE TWO TRENCHES EXTENDING IN A GENERALLY SOUTHERN DIRECTION. ON THE NORTHERN CORNER OF THE PAD IS AN UNIDENTIFIED PIECE OR PIECES OF EQUIPMENT.

A NEW AREA IS UNDER CONSTRUCTION APPROXIMATELY 2.5 NM NNE OF LAUNCH COMPLEX E. THIS AREA IS ROAD SERVED BY A CONTINUATION OF THE ROAD SERVING LAUNCH COMPLEX E. THERE WAS NO EVIDENCE OF THIS NEW AREA OR SERVICE ROAD ON JUN 64. THIS NEW AREA IS RECTANGULAR AND MEASURES APPROXIMATELY 735 X 620 FT. IT IS SECURED BY A SINGLE FENCE AND HAS TWO SECURITY BUILDINGS AT THE ENTRANCE. THE FENCE IS BROKEN NEAR THE NORTHERN CORNER FOR ACCESS TO A BORROW PIT. A RAISED STRUCTURE APPROXIMATELY 35 FT SQUARE NEAR THE CENTER OF THE AREA IS SURROUNDED BY A LOOP ROAD. A CIRCULAR REVETMENT IS ADJACENT TO THE WESTERN SIDE AND A LINEAR REVETMENT IS ADJACENT TO THE EASTERN SIDE OF THE LOOP ROAD.

A BIVOUAC/TRAINING AREA, NEW SINCE JUN 64, IS OBSERVED APPROXIMATELY 2 NM WEST OF LAUNCH AREA E. THE AREA CONSISTS OF TWO RECTANGULAR SECTIONS, BOTH SURROUNDED BY FIREBREAKS. ONE SECTION CONTAINS 68 SMALL TENTS, 5 LARGE TENTS, AND APPROXIMATELY 10 VEHICLES. THE OTHER SECTION IS A MOTOR POOL AREA CONTAINING 19 LARGE VEHICLES, 27 SMALL VEHICLES, AND FOUR POSSIBLE SMALL TENTS. A DRIVE-THROUGH REVETMENT IS LOCATED ADJACENT TO THIS SECTION. POOR IMAGE QUALITY PRECLUDES VEHICLE IDENTIFICATION. THREE UNIDENTIFIED OBJECTS, POSSIBLY VEHICLES, ARE PARKED ON A SMALL CLEARED STRIP A SHORT DISTANCE FROM THE AREA. A SMALL TENT AND 3 POSSIBLE VEHICLES ARE LOCATED IN A LOOP ROAD PATTERN A SHORT DISTANCE FROM THE TENT AREA. EXTENSIVE VEHICULAR TRACKING IS EVIDENT IN THE SURROUNDING AREA.

(ATTACHMENTS 16-18)

(62-10 LAUNCH COMPLEX E) (67-8 AREA NNE OF COMPLEX E) (67-8 AREA NNE OF COMPLEX E) (61-15 BIVOUAC/TRAINING AREA) C, PQ

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25X1
25X1

SARY-SHAGAN SITE 13 UR 4636N 07432E

25X1

SITE COVERED BY POOR IMAGE QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT PROGRESS IS NOTED IN THE BUILDING TRIAD AREA AND THE THREE DUAL HEN HOUSE-TYPE STRUCTURES SINCE , SEP 64. NO CHANGE OBSERVED SINCE SEP 64, IN THE PROBABLE FENCE WHICH SURROUNDS THE AREA OF THE TRIAD AND THE THREE DUAL HEN HOUSE-TYPE STRUCTURES AND EXTENDS BEYOND THE NORTHERN STRUCTURE FOR 2,500 FT -- A DISTANCE SUFFICIENT TO ACCOMMODATE A FOURTH SUCH STRUCTURE. TO DATE, NO INDICATIONS CAN BE FOUND OF A FOURTH STRUCTURE. NUMEROUS SCARS AND DITCHES ARE NOTED, SOME OF WHICH EXTEND UP TO OR CLOSE TO THE THREE TRIAD BUILDINGS AND THE THREE HEN HOUSE-TYPE STRUCTURES. SOME OF THESE ARE PROBABLY WATER AND POWER LINES. THE PITCHES OF THE TWO LINEAR BUILDINGS AT THE CENTRAL STRUCTURE APPEAR TO DIFFER. THESE BUILDINGS APPEAR TO BE PARALLEL. FOOTINGS OR EXCAVATIONS FOR FOOTINGS ARE NOTED IN BOTH LINEAR EXCAVATIONS OF THE NORTHERN STRUCTURE. SINCE JUL 64, ONE NEW BUILDING AND ONE BUILDING FOUNDATION HAVE BEEN ADDED IN BOTH THE CENTRAL AND THE NORTHERN SUPPORT AREAS. NUMEROUS VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED JUST EAST OF THE CENTRAL AND SOUTH HEN HOUSE-TYPE STRUCTURES AND JUST EAST OF THE NORTHERN SUPPORT AREA. ADDITIONAL STORAGE HAS APPEARED SINCE SEP 64, IN THE STORAGE AREA JUST WEST OF THE CENTRAL STRUCTURE. TWO NEW BUILDINGS (115 X 35 FT AND 80 X 60 FT) AND FOUNDATIONS FOR AT LEAST TWO ADDITIONAL BUILDINGS CAN BE SEEN IN THE AREA APPROXIMATELY 3,700 FEET NNW OF THE NORTHERN STRUCTURE.

25X1
25X1
25X1
25X1

25X1

VORONEZH ROCKET TEST FACILITY UR 5134N 03908E

25X1

NO SIGNIFICANT CHANGE SINCE SEP 64. CONSTRUCTION CONTINUES AT THE TWO ROAD-SERVED VERTICAL TEST STANDS. THE OLDER STAND IS IN THE FINAL STAGES OF CONSTRUCTION WITH GRADING CONTINUING IN THE BLAST DEFLECTOR. THE NEWER STAND

25X1

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25X1

IS APPARENTLY IN A MID-STAGE OF CONSTRUCTION. IT APPEARS TO HAVE A HARDENED HORIZONTAL BLAST DEFLECTOR RATHER THAN AN EXCAVATED ONE, AND SOMEWHAT RESEMBLES A STRUCTURE IN A NEW AREA OF CONSTRUCTION AT ZAGORSK ROCKET ENGINE TEST FACILITY. NUMEROUS INTERCONNECTING PIPELINES, AREAS OF CONSTRUCTION ACTIVITY, AND UNIDENTIFIED PIECES OF EQUIPMENT ARE SCATTERED THROUGHOUT THE FACILITY.

25X1

UFA STATIC TEST FACILITY UR 5459N 05604E

25X1

NO NEW FACILITIES OBSERVED SINCE JUN 64.

25X1

THERE ARE NO TEST STANDS AT THIS FACILITY. HOWEVER, A TEST BUILDING SIMILAR TO THOSE AT VERKHNYAYA SALDA STATIC TEST FACILITY AND VORONEZH ROCKET TEST FACILITY HAS 3 SMALL WINGS ON ITS NORTH SIDE. THE TWO AT THE OUTER ENDS ARE PROBABLY TEST CELLS AND THE CENTER WING MAY HOUSE THE CONTROL EQUIPMENT. A CONCRETE BLAST APRON, SLIGHTLY WIDER THAN THE TEST BUILDING, EXTENDS ALONG THE NORTH SIDE OF THE TEXT BUILDING.

NO MISSILE COMPONENTS OR TRANSPORT/HANDLING EQUIPMENT OBSERVED.

25X1

BIYSK STATIC TEST FACILITY UR 5229N 08507E

25X1

NO APPARENT CHANGE SINCE JUL 64.

25X1

NO MISSILE COMPONENT, HANDLING-AND-TRANSPORT EQUIPMENT, OR TEST ACTIVITY OBSERVED.

25X1

SEVERODVINSK NAVAL BASE AND SHIPYARD 402 UR 6434N 03949E

25X1

HEAVY CLOUDS AND HAZE PRECLUDE DETAILED ANALYSIS. AT LEAST 6 UNIDENTIFIED OBJECTS AT WHARVES, PIER,

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25X1

AND IN FLOATING DRYDOCK WITHIN THE FLOODED BASIN AT POINTS PREVIOUSLY OCCUPIED BY SUBMARINES.

25X1

25X1 KALININGRAD SUSP NAVAL MISSILE STORAGE UR 5450N 02028E

POSSIBLE STORAGE AND HANDLING AREA CONTAINS 7 CENTRAL DRIVE-IN BUILDINGS, 2 DRIVE-THROUGH BUILDINGS, AND 2 OTHER BUILDINGS. AREA IS SECURED AND APPEARS COMPLETE.

PROBABLE EXPLOSIVES STORAGE AREA CONTAINS 5 EARTH-MOUNDED STORAGE BUILDINGS IN SEPARATE CLEARING IN WOODS, ONE DRIVE-IN BUILDING, ONE DRIVE-THROUGH BUILDING, AND NUMEROUS ROAD TURNOFFS. THE AREA IS DOUBLE FENCED, BUT CLEARING ALONG FENCE LINES ON DEC 63, IS NOW OVERGROWN. NO ADDITIONAL CONSTRUCTION SINCE DEC 6[illegible]

25X1
25X1

25X1

25X1 KALININGRAD PORT FACILITIES EAST UR 5442N 02029E

25X1

KALININGRAD PORT FACILITIES EAST -- AREA PRIMARILY OCCUPIED BY A RAIL YARD. PORT AREA HAS BARGES AND TIMBER RAFTS. NO SHIPYARD FACILITIES OR MAJOR NAVAL VESSELS OBSERVED.

KALININGRAD PORT FACILITIES -- 3 DOCKS WITH QUAYED SHORELINES ON EACH SIDE, POL STORAGE, AND AT LEAST 20 LARGER WAREHOUSES, TRANSIT SHEDS, AND OTHER BUILDINGS. NO SHIPYARD FACILITIES OR MAJOR NAVAL VESSELS OBSERVED.

KALININGRAD SHIPYARD STATE 820 -- LANDING FACILITIES CONSIST PRIMARILY OF QUAYED SHORELINE/ WHARVES, 5 FLOATING DRYDOCKS (2 OCCUPIED), APPROXIMATELY 30 LARGE SHOP-TYPE BUILDINGS, AND NUMEROUS SMALLER BUILDINGS. NO EVIDENCE OF SHIPS BEING CONVERTED TO MISSILE USE.

VESSELS -- 14 DD AND MINOR COMBAT VESSELS.

25X1

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25X1
25X1
25X1
25X1

CHEREPOVETS SUSP AMM/SAM LNCH COMPLEX U/C UR 5906N 03810E

COMPLEX COVERED BY FAIR-QUALITY CLOUD-FREE STEREO PHOTOGRAPHY. THE SUSPECT LAUNCH SITES REMAIN IN A VERY EARLY CONSTRUCTION STAGE, WITH NO SIGNIFICANT PROGRESS APPARENT SINCE JUL 64. NO MISSILES, MISSILE-RELATED EQUIPMENT, OR ASSOCIATED ELECTRONIC/COMMUNICATIONS FACILITIES OBSERVED. PERIMETER DITCHES BORDER EACH SITE. A GRADED AREA WITH ADJACENT PILES OF EARTH/AGGREGATE EXTENDS ALONG THE SOUTHERN EDGE OF THE WESTERNMOST SITE. THREE BUILDINGS POSITIONED ALONG THE EAST/WEST ROAD JUST NORTH OF THE SITES, ALTHOUGH NOT CLEARLY DISCERNIBLE ON EARLIER PHOTOGRAPHY, WERE PROBABLY PRESENT IN JUN 64. NUMEROUS POSSIBLE VEHICLES ARE LOCATED IN THE SUPPORT AREA 0.5 NM NW OF THE SITES. A POSSIBLE RAIL SPUR CONSTRUCTED SINCE SEP 63 SERVES THIS SUPPORT AREA. AN EAST/WEST ROAD EXTENDING WESTWARD FROM A POINT NW OF THE SUPPORT AREA IS BEING IMPROVED AND EXTENDED TO THE WEST. THIS ACTIVITY IS NEW SINCE JUL 64. THIS ROAD BYPASSES THE TOWN OF IRDOMATKA TO THE NORTH. BARRACKS-TYPE BUILDINGS IN ONE AREA, AND PROBABLY MORE PERMANENT HOUSING IN ANOTHER AREA, ARE UNDER CONSTRUCTION NEAR THE WESTERN TERMINUS OF THE NEW ROAD CONSTRUCTION. ASSOCIATION OF THIS NEW CONSTRUCTION ACTIVITY WITH THE SUSPECT AMM/SAM LAUNCH COMPLEX IS UNDETERMINED.

(ATTACHMENT 19)

BONUS 1 MAGADAN POSS SAM SITE UR 5934N 15044E

A NEWLY IDENTIFIED POSSIBLE SA-3 SAM SITE OF UNDETERMINED CONFIGURATION IS UNDER CONSTRUCTION 2.5 NM NW OF MAGADAN AT 59-34-30N 150-44-20E.

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25X1
25X1

BONUS 2 KANDALAKSHA SAM SITE UR 6708N 03211E

SA-2 SAM SITE UNDER CONSTRUCTION CONTAINS SIX REVETTED POSITIONS. CONFIGURATION IS UNDETERMINED.

25X1

BONUS 3 KANDALAKSHA SAM TRAINING AREA UR 6711N 03222E

NEWLY IDENTIFIED SAM TRAINING AREA CONSISTS OF TWO OCCUPIED, REVETTED, SIX-POSITION SAM TRAINING SITES. SUPPORT FACILITY CONSISTS OF TWO DRIVE-THROUGH BUILDINGS, TWO REVETTED BUILDINGS, SIX VEHICLE STORAGE BUILDINGS, A REVETTED POSSIBLE HARDSTAND WITH AN UNDETERMINED NUMBER OF PIECES OF UNIDENTIFIED EQUIPMENT, AND APPROXIMATELY 20 OTHER BUILDINGS.

(ATTACHMENT 20)

25X1

BONUS 4 KEMEROVO STATIC TEST FACILITY UR 5526N 08557E

A SECURED STATIC TEST FACILITY IN THE LATE STAGES OF CONSTRUCTION IS LOCATED 5 NM NW OF KEMEROVO, JUST NW OF AND CONNECTED BY ROAD AND RAIL TO KERÉROVO AMMUNITION LOADING AND EXPLOSIVES PLANT RAKETA 392. THE FACILITY IS SIMILAR TO THE KRASNOYARSK STATIC TEST FACILITY AND CONTAINS ONE HORIZONTAL TEST CELL UNDER CONSTRUCTION, A LARGE L-SHAPED BLAST DEFLECTOR, A REVETTED BUILDING, A POSSIBLE H-SHAPED BUILDING IN THE EARLY STAGES OF CONSTRUCTION, AN UNIDENTIFIED STRUCTURE, AND 5 SMALL SUPPORT BUILDINGS. A STEAM LINE LEADS TO THE KEMEROVO THERMAL POWER PLANT NW.

(ATTACHMENT 21)

25X1

25X1

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25X1

25X1

AIRCRAFT -- 5 BADGER.

25X1

25X1

ANADYR/LENINKA AIRFIELD UR 6442N 17742E

MAJORITY OF AIRFIELD IS CLOUD COVERED.

AIRCRAFT ON ONE PARKING APRON VISIBLE -- 3 PROBABLE BADGER, 26 SMALL POSSIBLE SWEPT-WING, AND ONE LIGHT STRAIGHT-WING.

25X1

25X1

ABDULRACHMAN SALEH AIRFIELD ID 0755S 11242E

25X1

NO APPARENT CHANGE SINCE APR 64, IN VISIBLE PORTIONS.

AIRCRAFT -- 3 PROBABLE CRATE AND ONE POSSIBLE LIGHT TRANSPORT.

25X1

25X1

HASANUDDIN AIRFIELD ID 0503S 11932E

AIRFIELD 3.2 NM SSW OF MAROS HAS 5,800 X 185 FT NW/SE BLACKTOP RUNWAY, SERVICEABLE, AND 5,700 X 190 FT ENE/WSW BLACKTOP RUNWAY, PROBABLY UNSERVICEABLE AND USED AS TAXIWAY AND PARKING RAMP.

FACILITIES INCLUDE A PROBABLE GCA LOCATED IN THE TRIANGLE FORMED BY THE TWO RUNWAYS AND THE MAIN PARKING APRON.

AIRCRAFT -- 8 POSSIBLE BEAGLE, 7 SMALL SWEPT-WING FIGHTERS, AND ONE CAB.

25X1

25X1

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25X1
25X1

25X1

25X1

KAZAN AIRFRAME PLANT GORBUNOV 22 UR 5552N 04907E

ONLY EAST END OF 4,500 X 300 FT NNE/SSW RUNWAY COVERED.

AIRCRAFT -- ONE LIGHT STRAIGHT-WING TRANSPORT.

25X1

25X1

GORKIY/SOROMOVO AIRFIELD UR 5619N 04348E

AIRFIELD OBSERVED THROUGH HEAVY HAZE. ONLY OUTLINE OF RUNWAY, TAXIWAY, AND PARKING APRONS VISIBLE.

AIRCRAFT -- ONE LIGHT STRAIGHT-WING AND APPROXIMATELY 15 POSSIBLE AIRCRAFT.

25X1

25X1

GORKIY AIRFRAME PLANT ORDZHONIKIDZE 21 UR 5620N 04352E

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25X1

25X1

AN-TUNG AIRFIELD CH 4001N 12417E.

NO APPARENT CHANGE SINCE MAY 63.

25X1

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AIRCRAFT -- NONE OBSERVED.

CHAN-CHIANG AIRFIELD CH 2113N 11020E

NO NEW CONSTRUCTION OBSERVED.

AIRCRAFT -- NONE OBSERVED.

KU-SHAN-TZU AIRFIELD CH 4201N 12544E

NO APPARENT CHANGE SINCE NOV 61.

AIRCRAFT -- 24 SMALL SWEPT-WING.

HUAI-TE AIRFIELD CH 4332N 12447E

NO APPARENT CHANGE SINCE JUL 64.

AIRCRAFT -- 17 BEAGLE AND ONE LIGHT STRAIGHT-WING.

LIEN-CHENG AIRFIELD CH 2540N 11645E

NO APPARENT CHANGE SINCE , DEC 61.

AIRCRAFT -- 14 FAGOT/FRESCO.

LIU-HO AIRFIELD CH 4216N 12542E

NO APPARENT CHANGE SINCE , JUL 64.

AIRCRAFT -- NONE OBSERVED.

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25X1 25X1

25X1

25X1

NEN-CHIANG AIRFIELD NORTH CH 4914N 12521E

CLEAR, GOOD-QUALITY STEREO COVERAGE.

NO APPARENT CHANGE SINCE JUN 64.

25X1

AIRCRAFT -- ONE SHADOW OF CAB AFTER TAKE OFF VISIBLE AT SW END OF NE/SW RUNWAY.

25X1

25X1

UIJU AIRFIELD KN 4009N 12430E

AIRFIELD COMPLETELY COVERED BY CLEAR, POOR-QUALITY PHOTOGRAPHY. NO APPARENT CHANGE SINCE APR 63.

25X1

AIRCRAFT -- 59 PROBABLE BEAGLE.

25X1

25X1

AMAHAI AIRFIELD ID 0321S 12854E

AIRFIELD PROBABLY UNSERVICEABLE.

AIRCRAFT -- NONE OBSERVED.

25X1

25X1

PENFUI AIRFIELD ID 1010S 12339E

NO APPARENT CHANGE IN FACILITIES SINCE APR 64.

AIRCRAFT -- NONE OBSERVED.

25X1

25X1

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25X1

25X1 HABBANIYAH AIRFIELD IQ 3322N 04334E

NO APPARENT CHANGE SINCE 25X1 DEC 62.
HABBANIYAH PLATEAU AIRFIELD IS NOT COVERED.

AIRCRAFT -- NONE OBSERVED.

25X1

25X1 DAYR AZ ZAWR AIRFIELD SOUTH SY 3517N 04011E

AIRFIELD APPEARS ABANDONED. POSSIBLE BARRIERS OBSERVED ACROSS RUNWAY.

AIRCRAFT -- NONE OBSERVED.

25X1

25X1 HAI-LA-ERH AIRFIELD SOUTHWEST CH 4909N 11941E

NO APPARENT CHANGE SINCE 25X1 NOV 62.

AIRCRAFT -- NONE OBSERVED.

25X1

25X1 BUDAPEST/TOKOL AIRFIELD HU 4721N 01859E

NO ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED.

AIRCRAFT -- APPROXIMATELY 14 SMALL SWEPT-WING, APPROXIMATELY 19 POSSIBLE SMALL DELTA-WING, 5 CRATE/COACH, AND ONE CAB.

25X1

25X1 BUREVESTNIK AIRFIELD UR 4454N 14738E

NO ELECTRONIC OR COMMUNICATIONS FACILITIES OBSERVED.

AIRCRAFT -- 41 FAGOT/FRESCO AND ONE LIGHT

25X1

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25X1 25X1

STRAIGHT-WING.

25X1

25X1

KOKAYTY AIRFIELD UR 3737N Ø6731E

POSSIBLE ILS IS LOCATED APPROXIMATELY 2,700 FEET FROM THE NNE END OF THE RUNWAY.

AIRCRAFT -- ONE BEAGLE AND 45 SMALL SWEPT-WING FIGHTERS.

25X1

25X1

PREZE AIRFIELD AL 4125N Ø1944E

NO ELECTRONIC OR COMMUNICATIONS FACILITIES OBSERVED.

AIRCRAFT -- 3 POSSIBLE AIRCRAFT.

25X1

25X1

WARSAW/OKECIE AIRFIELD PO 5211N Ø2058E

NO APPARENT CHANGE SINCE JUN 64.

25X1

AIRCRAFT -- 8 CAB, 8 CRATE/COACH, 5 PROBABLE CRATE/COACH, 3 LIGHT STRAIGHT-WING, AND 4 MEDIUM STRAIGHT-WING.

25X1

25X1

POWIDZ AIRFIELD PO 5223N Ø1751E

IDENTIFICATION ONLY.

25X1

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ASHKHABAD AIRFIELD NORTHWEST UR 3758N Ø5821E

AIRCRAFT -- 6 COOT, 4 CRATE, 4 CAB, 6 SMALL SINGLE

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PISTON ENGINE, 5 LIGHT HELICOPTERS, AND 2 UNIDENTIFIED POSSIBLE HELICOPTERS.

POSSIBLE GCA/ILS OBSERVED BETWEEN RUNWAY AND TAXIWAY.

NIKOLAYEV/KULBAKINO AIRFIELD UR 4656N Ø3205E

NO APPARENT CHANGE FROM DEC 61. A PROBABLE GCA FACILITY IS LOCATED BETWEEN THE RUNWAY AND THE MAIN PARKING APRON.

AIRCRAFT -- 51 BADGER AND 3 CAB.

ORENBURG AIRFIELD SOUTHWEST UR 5143N Ø5504E

NO APPARENT CHANGE SINCE JUL 64.

AIRCRAFT -- 25 BEAGLE, 87 SMALL SWEPT-WING FIGHTER, ONE CRATE, AND ONE PROBABLE CAB.

LODEYNOYE POLE AIRFIELD UR 6042N Ø3333E

NO APPARENT CHANGE SINCE SEP 63.

AIRCRAFT -- 23 PROBABLE FISHBED/FISHPOT, 21 SMALL SWEPT-WING FIGHTER, AND ONE SMALL STRAIGHT-WING.

RAS BANAS AIRFIELD EG 2358N Ø3528E

8,300 X 150 FT NW/SE BLACKTOP RUNWAY WITH A PARALLEL TAXIWAY CONNECTED AT EACH END BY A SEMICIRCULAR TAXIWAY CONTAINING 4 HARDSTANDS. FOUR HARDSTANDS LOCATED NORTH OF TAXIWAY.

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25X1
25X1

IMMEDIATELY SE OF THE RUNWAY ARE 2 LONG NARROW BUILDINGS AND 6 OTHER SMALLER BUILDINGS. APPROXIMATELY 5,000 FT SE OF THE RUNWAY IS A SUPPORT AREA CONTAINING 16 LONG NARROW BUILDINGS. THERE ARE AT LEAST 9 SMALL BUILDINGS SCATTERED THROUGHOUT THE IMMEDIATE AREA.

AIRCRAFT -- NONE OBSERVED.

25X1

25X1

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Next 2 Page(s) In Document Denied

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25X1 25X1

NAVAL ACTIVITY/PORTS

25X1

SURABAJA NAVAL BASE AND SHIPYARD ID 0712S 11244E

NAVAL FACILITIES INCLUDE A NAVAL BASIN WITH 2 MOLES, 7 PIERS, AND A COVERED OFF-SHORE WHARF. A SHIPYARD AND COMMERCIAL BASIN TO THE WEST CONTAIN 3 MOLES, ONE LARGE PIER, ONE SHIP REPAIR FACILITY, AND POL STORAGE.

VESSELS -- IN NAVAL BASE -- 3 PROBABLE SMALL SS, 2 POSSIBLE SS, 4 DD, 4 DE, 4 FLOATING DRY DOCKS (TWO OCCUPIED BY UNIDENTIFIED OBJECTS), 3 AUXILIARIES, AND NUMEROUS SMALLER SURFACE CRAFT. IN SHIPYARD -- 2 FLOATING DRY DOCKS AND NUMEROUS MERCHANT SHIPS.

POOR QUALITY PHOTOGRAPHY PRECLUDES MORE DETAILED INTERPRETATION OF FACILITIES AND VESSELS.

25X1

25X1

BITUNG PORT FACILITIES ID 0126N 12512E

FACILITIES CONSIST OF AN OFF-SHORE WHARF, PROBABLY CONCRETE, APPROXIMATELY 1,000 FT LONG, AND CONNECTED BY 11 CROSSOVERS TO 4 LARGE WAREHOUSES.

VESSELS -- NO NAVAL VESSELS OR SUBMARINES PRESENT, TWO COASTAL MERCHANT VESSELS ALONGSIDE WHARF, TWO MERCHANT VESSELS ANCHORED IN STRAIT JUST EAST OF PORT AREA.

25X1

25X1

MAKASAR PORT FACILITIES ID 0507S 11924E

FACILITIES INCLUDE 2 QUAYED AREAS WITH 13 LARGE WAREHOUSE-TYPE BUILDINGS, A SMALL BOAT BASIN, AND A POL STORAGE AREA.

VESSELS -- 12 MERCHANT SHIPS OF VARIOUS SIZES MOORED TO QUAYS.

25X1

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25X1 25X1

25X1

25X1

MAGADAN SHIP REPAIR YARD UR 5932N 15046E

NO APPARENT CHANGE IN FACILITIES SINCE APR 64.

25X1

VESSELS -- 10 UNIDENTIFIED.

25X1

25X1

GORKIY SHIP REPAIR YARD 25 OKT UR 5617N 04357E

IDENTIFICATION ONLY.

25X1

25X1

KERCH NVL BASE & SHPYD KAMYSH BURUN 532 UR 4516N 03625E

NO APPARENT CHANGE IN FACILITIES SINCE AUG 62.

25X1

VESSELS -- NO MAJOR NAVAL VESSELS, 2 MERCHANT VESSELS, AND AT LEAST 15 MINOR CRAFT OBSERVED.

25X1

25X1

WONSAN PORT FACILITIES KN 3910N 12726E

NO APPARENT CHANGE IN FACILITIES SINCE MAY 63.

VESSELS -- NO SIGNIFICANT NAVAL CRAFT OR MERCHANT VESSELS IN PORT AREA. NUMEROUS SMALL CRAFT PRESENT.

25X1

25X1

BELAWAN PORT FACILITIES ID 0347N 09842E

FACILITIES INCLUDE ONE 6,000 FT RAIL-SERVED QUAY WITH APPROXIMATELY 16 LARGE SUPPORT BUILDINGS ALONG FACE. A POL STORAGE AREA WITH 9 LARGE AND 3 SMALL

25X1

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25X1

TANKS IS TO THE SOUTH. A SECOND POL AREA WITH 36 TANKS IS LOCATED IN MIDDLE OF QUAY. SMALL BOAT HARBOR IS LOCATED TO NE.

VESSELS -- 4 LARGE MERCHANT SHIPS AND APPROXIMATELY 9 MISCELLANEOUS VESSELS MOORED TO QUAY OR UNDERWAY IN HARBOR APPROACHES.

25X1

25X1

L LADHIQIYAH PORT FACILITIES SY 3531N Ø3547E

VESSELS -- 2 PROBABLE PATROL CRAFT.

25X1

BONUS AL LADHIQIYAH NAV BASE AL MINA AL BAYDAH SY 3536N Ø3546E

VESSELS -- 3 KOMAR-CLASS PGMG AND 3 POSSIBLE PT BOATS.

25X1

25X1

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25X1
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Next 2 Page(s) In Document Denied

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25X1
25X1

ELECTRONICS/COMMUNICATIONS

25X1

ORENBURG ELECTRONICS FACILITY UR 5143N 05458E

25X1

NO APPARENT CHANGE SINCE [redacted] JUL 64.

EASTERNMOST RADAR MOUND IS OCCUPIED, BUT POOR IMAGE QUALITY PRECLUDES FIRM IDENTIFICATION.

25X1

25X1

TYURATAM RADIO STATION 2 UR 4536N 06316E

FACILITY IS LOCATED IMMEDIATELY SW OF THE BASE SUPPORT FACILITY AND CONSISTS OF A SQUARE SECURED ANTENNA FIELD CONTAINING A CENTRAL CONTROL BUILDING AROUND WHICH ARE FANNED AT LEAST 6 RHOMBIC ANTENNAS, 4 FISHBONE RECEIVING ANTENNAS, AND A POSSIBLE HORIZONTAL DIPOLE ANTENNA. NO MEASUREMENTS ARE POSSIBLE. THERE ARE APPROXIMATELY 7 SUPPORT BUILDINGS LOCATED AT OR NEAR THE ENTRANCE TO THE SITE.

25X1

25X1

TYURATAM RADIO STATION 3 UR 4538N 06320E

PROBABLE TRANSMITTER STATION LOCATED IN THE EASTERN PORTION OF THE SUPPORT BASE CONSISTS OF A PROBABLE TRANSMITTER BUILDING AND COOLING POND.
NO ANTENNAS OBSERVED.

25X1

25X1

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25X1 25X1

MILITARY ACTIVITY

25X1

HSIA-TA-CHEN SHAN RADAR UNIT CH 2827N 12153E

NO RADAR OR MILITARY ACTIVITY OBSERVED.

25X1

25X1

IH-TU ARMY BARRACKS NORTH TI 3327N 07942E

THREE ASSOCIATED WALLED AREAS CONTAIN APPROXIMATELY 15 BUILDINGS, APPROXIMATELY 50 TENTS OR HUTS, AND SEVERAL VEHICLES/PIECES OF EQUIPMENT.

25X1

25X1

PU-LAN ARMY BARRACKS TI 3015N 08110E

AREA CONSISTS OF AT LEAST 3 WALLED AREAS CONTAINING AT LEAST 20 BUILDINGS. NO SUPPLIES, VEHICLES, ORDNANCE, OR POL STORAGE OBSERVED.

25X1

25X1

AT TUR QUARANTINE BARRACKS EG 2814N 03337E

POOR IMAGE QUALITY PRECLUDES DETERMINATION OF ACTIVITY.

NO TANKS/VEHICLES OBSERVED.

25X1

25X1

UIJU MILITARY INSTALLATION KN 4011N 12432E

ONLY 3 BUILDINGS OF THE INSTALLATION OBSERVED. NOT ENOUGH OF THE INSTALLATION IS OBSERVED TO DETERMINE IF IT IS MILITARY.

NO VEHICLES/EQUIPMENT OBSERVED.

25X1

25X1

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25X1

SOMGUL AREA MILITARY AREAS CH 3612N 07845E

AREA CONTAINS AN ESTIMATED 20-25 BUILDINGS OR TENTS. POOR IMAGE QUALITY PRECLUDES FURTHER INTERPRETATION.

25X1

ASHKHABAD ARMY BARRACKS SOUTHEAST UR 3755N 05822E

AREA OCCUPIED.

NO TANKS OBSERVED.

25X1

ASHKHABAD ARMY BARRACKS NO 1 UR 3756N 05821E

AREA IS OCCUPIED.

NO TANKS OBSERVED.

25X1

ASHKHABAD ARMY BARRACKS 2 UR 3755N 05823E

THIS AREA APPEARS TO BE INCORPORATED IN ASHKHABAD ARMY BARRACKS SE .

25X1

NIKOLAYEV ARMY BARRACKS NORTHEAST UR 4658N 03201E

AREA APPEARS OCCUPIED AND ACTIVE.

NO TANKS OBSERVED.

25X1

25X1

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25X1 25X1

25X1

NIKOLAYEV ARMY BARRACKS EAST UR 4657N Ø32Ø1E

AREA APPEARS OCCUPIED AND ACTIVE.

APPROXIMATELY 5Ø UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT OBSERVED.

25X1

25X1

NIZHNEUDINSK ARMY BARRACKS UR 5454N Ø99Ø3E

AREA ON NE EDGE OF NIZHNEUDINSK AT 54-54-55N Ø99-Ø3-55E APPEARS OCCUPIED.

NO TANKS OBSERVED.

25X1

25X1

OSH ARMY BARRACKS WEST UR 4Ø31N Ø7245E

AREA IS OCCUPIED AND ALL PORTIONS APPEAR TO BE IN USE.

APPROXIMATELY 2Ø VEHICLES/PIECES OF EQUIPMENT PARKED THROUGHOUT THE AREA.

25X1

25X1

KANDALAKSHA ARMY BARRACKS NORTH UR 6711N Ø3226E

INSTALLATION APPEARS TO BE CIVILIAN HOUSING. MILITARY INSTALLATION LOCATED AT 67-11N Ø32-2ØE APPEARS ACTIVE AND OCCUPIED. APPROXIMATELY 1ØØ UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT ARE PARKED IN TWO AREAS. POOR IMAGE QUALITY PRECLUDES IDENTIFICATION.

25X1

25X1

VORONEZH ARMY BKS AND TRAINING CENTER S UR 5138N Ø391ØE

INSTALLATION APPEARS ACTIVE.

25X1

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25X1

APPROXIMATELY 20 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT OBSERVED.

25X1

25X1 YUZHNO-SAKHALINSK BARRACKS LISTVENICHNOYE UR 4652N 14246E

IDENTIFICATION ONLY.

25X1

25X1 LUGANSK ARMY BARRACKS NORTHWEST UR 4835N 03916E

HEAVY CLOUDS AND POOR IMAGE QUALITY PRECLUDE DETERMINATION OF OCCUPANCY.

NO TANKS OBSERVED.

25X1

25X1 PETROZAVODSK ARMY BARRACKS NORTHWEST UR 6148N 03417E

AREA 25 PERCENT CLOUD COVERED. VISIBLE PORTION APPEARS TO BE INDUSTRIAL IN NATURE.

NO TANKS OBSERVED.

25X1

25X1 PETROZAVODSK ARMY BARRACKS SOUTH UR 6146N 03421E

AREA IS 75 PERCENT CLOUD COVERED. THE VISIBLE PORTION APPEARS TO BE INDUSTRIAL IN NATURE.

25X1

25X1 PETROZAVODSK ARMY BARRACKS & RR STN S UR 6147N 03419E

INSTALLATION APPEARS OCCUPIED.

NO TANKS OBSERVED.

25X1

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25X1

25X1

25X1

SAMARKAND ARMY BARRACKS DZHUMUSHKABAD UR 3940N 06655E

NO BARRACKS AREA OBSERVED AT 39-40-50N 066-55-00E. AN ACTIVE MILITARY BARRACKS INSTALLATION IS OBSERVED AT 39-41-10N 066-53-10E. THE AREA CONTAINS APPROXIMATELY 100 UNIDENTIFIED VEHICLES/ PIECES OF EQUIPMENT.

25X1

25X1

SAMARKAND ARMY BARRACKS SOUTHWEST UR 3938N 06657E

NO MILITARY ACTIVITY OBSERVED AT THESE COORDINATES.

25X1

25X1

LUGANSK ORDNANCE PARK NORTHWEST UR 4835N 03914E

NO MILITARY INSTALLATION OBSERVED AT THESE COORDINATES.

25X1

25X1

DRUZHBA ARMY BARRACKS UR 4513N 08230E

AREA APPEARS ACTIVE AND OCCUPIED.

NUMEROUS VEHICLES/PIECES OF EQUIPMENT OBSERVED.

25X1

25X1

PETROZAVODSK QM DEPOT PEREVALKA N UR 6148N 03419E

VISIBLE PORTION APPEARS OCCUPIED. NO TANKS OBSERVED.

25X1

25X1

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[redacted]

[redacted]

NPIC/R-881/64

25X11

25X1

[redacted] SOFIA HQS MIN OF DEFENSE BU 4241N Ø2319E

NUMEROUS MULTISTORY BUILDINGS OBSERVED, BUT SOFIA HEADQUARTERS MINISTRY OF DEFENSE CANNOT BE IDENTIFIED.

[redacted]

25X1

25X1

[redacted]

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25X1
25X1

COMPLEXES

25X1

KUEI-LIN COMPLEX CH 2516N 11017E

NO INDICATION OF THE LEVEL OF ACTIVITY AT THE MINOR INDUSTRIAL FACILITIES IN THE COMPLEX. NO MAJOR ADDITIONS SINCE DEC 62. SEVERAL SMALL GROUPS OF BARRACKS/WAREHOUSES ARE LOCATED 2-3 NM WEST OF THE CITY. THE AIRFIELDS AND THE MILITARY INSTALLATION LOCATED NEAR THE EASTERNMOST AIRFIELD ARE NOT COVERED. ROAD AND RAILROAD FACILITIES REMAIN, BUT HIGHWAY BRIDGE APPROXIMATELY 8 NM NORTH OF TOWN IS GONE. COMPLEX IS COVERED BY FAIR-QUALITY, MEDIUM-SCALE PHOTOGRAPHY.

25X1

25X1

WEN-SHAN COMPLEX CH 2322N 10415E

IDENTIFICATION ONLY.

25X1

25X1

JIH-TU COMPLEX TI 3327N 07942E

ONE LARGE AND A SMALL WALLED MILITARY AREA OBSERVED. THE LARGE MILITARY AREA CONTAINS ONE LARGE CARAVANSARY CONSISTING OF 4 WINGS IN A SQUARE AND A LARGE BUILDING WITHIN THE SQUARE. THERE ARE 31 MULTI-PERSONNEL TENTS AND APPROXIMATELY 30 UNIDENTIFIED VEHICLES NEARBY. ONE SMALL WALLED AREA CONTAINS AN ADMINISTRATION BUILDING AND 6 LONG NARROW POSSIBLE BARRACKS. THE OTHER SMALL AREA CONTAINS ONE BUILDING AND A TALL POSSIBLE OR BUILDING. NO OTHER MILITARY ACTIVITY NOTED.

25X1

25X1

SINUIJU COMPLEX KN 4006N 12424E

GOOD-QUALITY PHOTOGRAPHY REVEALS A TEXTILE PLANT, A POSSIBLE SYNTHETIC FIBER PLANT, A CEMENT/LIME PLANT, AND AN UNIDENTIFIED HEAT

25X1

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PROCESSING PLANT AS THE MAJOR INDUSTRIAL COMPONENTS OF THE COMPLEX. OPEN STORAGE OF MATERIALS INDICATES THE CEMENT/LIME PLANT IS ACTIVE. THE STATUS OF THE OTHER PLANTS CANNOT BE DETERMINED. NO MILITARY ACTIVITY IS NOTED IN THE AREA OTHER THAN UIJU AIRFIELD. TRANSPORTATION FACILITIES CONSIST OF A MARSHALLING YARD, UIJU AIRFIELD, AND APPROXIMATELY 2,000 FT OF QUAY AREA ON THE YALU RIVER.

HUN-CHUN COMPLEX CH 4252N 13021E

APPARENTLY NO MAJOR INDUSTRIAL, MILITARY, OR TRANSPORTATION FACILITIES IN OR AROUND HUN-CHUN. THE TWO AIRFIELDS WEST OF TOWN ARE ABANDONED. THERE IS ONE SMALL POSSIBLE LIGHT INDUSTRIAL FACILITY AT THE EAST END OF THE TOWN AND THE WHOLE AREA HAS ONLY A SECONDARY ROAD SYSTEM. OBSERVATIONS MADE FROM POOR-QUALITY, MEDIUM-SCALE PHOTOGRAPHY.

DJAKARTA COMPLEX ID 0610S 10650E

NINETY-FIVE PERCENT OF DJAKARTA NOT COVERED. ONLY PORT FACILITY OF TANDJUNGPRIOK, 2 RAILROAD YARDS, AND BREAKWATER AT EXTREME NORTH TIP OF DJAKARTA ARE VISIBLE.

MALANG COMPLEX ID 0759S 11238E

COMPLEX IS ONLY PARTIALLY COVERED.

NO INDUSTRY OR MILITARY ACTIVITY OBSERVED.

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[redacted] MEDAN COMPLEX ID 0335N 09840E

AREA APPROXIMATELY 30 PERCENT CLOUD COVERED. THIS APPEARS TO BE AN AGRICULTURAL CITY WITH NO MAJOR INDUSTRY NOTED IN THE CLOUD-FREE AREAS. HARD-SURFACED CIVIL/MILITARY AIRFIELDS HAS 3 BEAGLE, 2 BADGER/CAMEL, ONE CAT/CUB, 3 POSSIBLE SMALL SWEPT-WING, AND ONE SMALL STRAIGHT-WING AIRCRAFT.

NO OTHER MILITARY INSTALLATIONS NOTED.

[redacted]

[redacted] SURABAJA COMPLEX ID 0715S 11245E

NO APPARENT CHANGE SINCE [redacted] APR 63.

[redacted]

[redacted] CHONGJIN AREA, MILITARY INSTALLATION KN 4146N 12946E

IDENTIFICATION ONLY.

[redacted]

[redacted] KRASNOVODSK COMPLEX UR 4000N 05300E

MAJOR INDUSTRIAL COMPONENTS CONSIST OF OIL REFINING, STORAGE, AND SHIPPING FACILITIES SERVED BY WATER, ROAD, AND RAIL. THERE ARE TWO RAIL YARDS, ONE IN KRASNOVODSK, THE OTHER AT UFRA. TWO PIERS AT UFRA APPEAR TO BE UNDERGOING MODIFICATION. A PARTIALLY COMPLETED SHIP CANAL LEADING TO THE KRASNOVODSK REFINERY SUGGESTS THAT PIERS AND OTHER SHIPPING FACILITIES WILL BE BUILT THERE. FOUR CARGO SHIPS, TWO TANKERS, AND NUMEROUS SMALL CRAFT ARE TIED UP AT THE PIERS OF THE TWO CITIES. NO INDUSTRIAL SMOKE IS VISIBLE. THE KRASNOVODSK AIRFIELD IS THE ONLY EVIDENT MILITARY FACILITY. OBSERVATIONS MADE ON MEDIUM SCALE, FAIR-QUALITY, NON-STEREO PHOTOGRAPHY.

[redacted]

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[redacted] MEDAN PETROLEUM PRODUCT STORAGE GROUP UG ID Ø336N Ø984ØE

AREA CONSISTS OF 3 SMALL TANKS, 2 WAREHOUSES, AND OPEN STORAGE. NO CONSTRUCTION OBSERVED.

[redacted]

[redacted] TOMSK COMPLEX UR 563ØN Ø8456E

COMPLEX IS 3Ø PERCENT CLOUD COVERED. SOUTHERN PART IS VISIBLE ON FAIR-QUALITY PHOTOGRAPHY.
NO SIGNIFICANT NEW CONSTRUCTION OR CHANGES TO MAJOR FACILITIES SINCE [redacted] APR 63, OBSERVED.
SMOKE AND STEAM OBSERVED AT THERMAL POWER PLANT TETS 2.

[redacted]

[redacted]

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25X1 25X1

OTHER ACTIVITY

25X1

NYANDOMA SENSITIVE OPERATIONS COMPLEX UR 6139N 04015E

OPERATIONS AREA AND SECTION OF OPERATIONS SUPPORT RAIL FACILITY WHERE FAGOT AIRCRAFT WERE OBSERVED ON APR 64, ARE CLOUD COVERED. ROLLING STOCK IS STILL PRESENT IN RAIL FACILITY. FIVE LARGE MULTISTORY BARRACKS AND A MESS HALL ARE COMPLETED AND 3 LARGE BARRACKS ARE UNDER CONSTRUCTION IN THE MAIN HOUSING AREA.

25X1

25X1

LIU-HO U/I TUNNELING OPERATION CH 4212N 12543E

AN APPARENTLY NARROW GAUGE RAIL SPUR LEADS FROM THE ENTRANCE OF THE SOUTH TUNNELING OPERATION APPROXIMATELY 3 NM NW TO SPOIL/ORE PILES AT THE ITUNG RIVER. A RAIL SPUR BRANCHES OUT NEAR THE SW END OF THE LIU HO AIRFIELD RUNWAY AND GOES AROUND THE NW AND NORTH SIDES OF THE AIRFIELD TO A LOADING AREA BY THE MAIN RAIL LINE AT A POINT ABOUT ONE NM NE OF LIU HO.

PROBABLE MINING MACHINERY IS LOCATED AT THE ENTRANCE TO THE SOUTH TUNNEL AND 2 NEW TUNNELS ARE APPARENTLY BEING STARTED, ONE TO THE NORTH AND ANOTHER TO THE SOUTH. NEW BARRACKS FOR WORKERS ARE LOCATED NEARBY.

A PROBABLE RAIL BED, PROBABLY FOR A SPUR FROM THE NARROW GAUGE LINE, IS BEING CONSTRUCTED TO THE ENTRANCE OF THE SW TUNNELING OPERATION. A NEW TUNNEL IS POSSIBLY BEING STARTED IMMEDIATELY TO THE NORTH.

NO SECURITY IS EVIDENT AT EITHER OF THE LOCATIONS.

25X1

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25X1

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY COMOR TARGET NUMBER, OF ALL TARGETS WHICH COULD BE ADEQUATELY IDENTIFIED DURING THE SCAN OF MISSION 4011.

25X1

COMOR	INSTALLATION NAME	CTY	COORDINATES	
	TYURATAM LAUNCH COMPLEX A (SITES 1, 15)	UR	4555N Ø6320E	II
	TYURATAM LNCH COMPLEX B (SITES 2, 16, 17)	UR	4559N Ø6333E	II
	TYURATAM LAUNCH COMPLEX I (SITE 14)	UR	4555N Ø6326E	II
	TYURATAM COMPLEX J	UR	4554N Ø6316E	II
	TYURATAM MAIN SUPPORT BASE	UR	4538N Ø6317E	II
	DROVYANAYA ICBM LAUNCH AREA A (SITE 1)	UR	5125N 11300E	I
	DROVYANAYA ICBM LAUNCH AREA B (SITE 2)	UR	5125N 11304E	I
	DROVYANAYA ICBM LAUNCH AREA D (SITE 3)	UR	5120N 11301E	I
	DROVYANAYA ICBM LAUNCH AREA E (SITE 5)	UR	5122N 11250E	I
	DROVYANAYA ICBM LAUNCH AREA F (SITE 6)	UR	5120N 11254E	I
	SHADRINSK ICBM LAUNCH AREA A (SITE 1)	UR	5608N Ø6351E	II
	SHADRINSK ICBM LAUNCH AREA B (SITE 2)	UR	5609N Ø6402E	II
	SHADRINSK ICBM LAUNCH AREA C (SITE 3)	UR	5606N Ø6356E	II
	NOVOSIBIRSK ICBM LAUNCH AREA A (SITE 2)	UR	5519N Ø8309E	I
	ZHANGIZ-TOBE ICBM COMPLEX	UR	4912N Ø8110E	I
	ZHANGIZ-TOBE ICBM LAUNCH AREA A (SITE 1)	UR	4911N Ø8100E	I
	ZHANGIZ-TOBE ICBM LAUNCH AREA B (SITE 2)	UR	4915N Ø8059E	I
	ZHANGIZ-TOBE ICBM SUPPORT FACILITY	UR	4912N Ø8110E	I
	ALEYSK ICBM COMPLEX	UR	5229N Ø8243E	II
	ALEYSK ICBM LAUNCH AREA A (SITE 1)	UR	5228N Ø8236E	II
	ALEYSK ICBM LAUNCH AREA B (SITE 2)	UR	5230N Ø8240E	II
	ALEYSK ICBM LAUNCH AREA C (SITE 3)	UR	5233N Ø8245E	II
	ALEYSK ICBM LAUNCH AREA D (SITE 4)	UR	5232N Ø8234E	II
	BARANO-ORENBURGSKOYE MRBM LAUNCH SITE	UR	4419N 13130E	I
	LUTSK MRBM LAUNCH SITE 2	UR	5050N Ø2503E	I
	LUTSK MRBM LAUNCH SITE 1	UR	5046N Ø2504E	I
	BAYRAM-ALI IRBM LAUNCH SITE	UR	3746N Ø6212E	I
	BOLSHAYA KAMENKA IRBM LAUNCH SITE	UR	5145N Ø4541E	I
	KAPUSTIN YAR LAUNCH COMPLEX A	UR	4842N Ø4615E	II
	KAPUSTIN YAR LAUNCH COMPLEX B	UR	4841N Ø4616E	II
	KAPUSTIN YAR LNCH CMPLX C (SITES 2, 4-9)	UR	4836N Ø4616E	II
	KAPUSTIN YAR LAUNCH COMPLEX E (SITE 3)	UR	4846N Ø4618E	II
	SARY-SHAGAN SITE 13	UR	4636N Ø7432E	II
	SARY-SHAGAN POSS INSTRUMENTATION SITE 14	UR	4707N Ø6910E	I
	GORKIY ARMT PLT NOVOYE SORMOVO/STALIN 92	UR	5620N Ø4354E	I
	UFA AIRCRAFT ENGINE PLANT B-26	UR	5447N Ø5604E	I

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VORONEZH ROCKET TEST FACILITY	UR	5134N	03908E	II
STERLITAMAK STATIC TEST FACILITY	UR	5341N	05558E	I
UFA STATIC TEST FACILITY	UR	5459N	05604E	II
BIYSK STATIC TEST FACILITY	UR	5229N	08507E	II
MIKHAYLOVKA SENSITIVE OPERATIONS COMPLEX	UR	4849N	03217E	I
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR	6434N	03949E	II
GUBA SAYDA PROB NAVAL MISSILE STORAGE	UR	6915N	03320E	I
GUBA SAYDA SUBMARINE BASE	UR	6915N	03321E	I
VLADIMIR SUBMARINE BASE	UR	4355N	13528E	I
KALININGRAD SUSP NAVAL MISSILE STORAGE	UR	5450N	02028E	II
KALININGRAD PORT FACILITIES EAST	UR	5442N	02029E	II
ANTIPINSKOYE SAM ACTIVITY	UR	5254N	11332E	I
OLENEGORSK SUSP AMM ASSOCIATED ACTIVITY	UR	6806N	03355E	I
CHEREPOVETS SUSP AMM/SAM LNCH COMPLEX U/C	UR	5906N	03810E	II
DJAKARTA SAM SITE TJILINTJING A06 2	ID	0605S	10656E	I
OLENEGORSK SAM SITE B11-0	UR	6804N	03408E	I
SEVERODVINSK SAM SITE B02-3	UR	6446N	03959E	I
TYURATAM MSL TEST CENTER SAM SITE B21A-2	UR	4542N	06320E	I
MOSCOW SAM SITE C16-1	UR	5522N	03758E	I
KALININGRAD SAM SITE B02-2	UR	5453N	02033E	I
AL ISKANDARIYAH SAM SITE B05-2	EG	3118N	03003E	I
MURMANSK SUSPECT SAM SITE C02-3	UR	6923N	03328E	I
BARANOVICHI AIRFIELD	UR	5306N	02603E	I
OSTROV GREEM-BELL AIRFIELD	UR	8113N	06427E	II
MOZDOK AIRFIELD	UR	4347N	04436E	II
PITU AIRFIELD	ID	0202N	12819E	II
KALININGRAD/PROVEREN AIRFIELD	UR	5446N	02025E	I
PRILUKI AIRFIELD	UR	5034N	03219E	II
ANADYR/LENINKA AIRFIELD	UR	6442N	17742E	II
ABDULRACHMAN SALEH AIRFIELD	ID	0755S	11242E	II
HASANUDDIN AIRFIELD	ID	0503S	11932E	II
RAMAT DAVID AIRFIELD	IS	3239N	03510E	II
SEVEROMORSK AIRFIELD	UR	6901N	03325E	I
KAZAN AIRFRAME PLANT GORBUNOV 22	UR	5552N	04907E	II
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	UR	5535N	03807E	I
GORKIY AIRFRAME PLANT ORDZHONIKIDZE 21	UR	5620N	04352E	II
GORKIY/SOROMOVO AIRFIELD	UR	5619N	04348E	II
KRASNOVODSK AIRFIELD	UR	4004N	05300E	I
AN-TUNG AIRFIELD	CH	4001N	12417E	II
CHAN-CHIANG AIRFIELD	CH	2113N	11020E	II
KU-SHAN-TZU AIRFIELD	CH	4201N	12544E	II
HUAI-TE AIRFIELD	CH	4332N	12447E	II
LIEN-CHENG AIRFIELD	CH	2540N	11645E	II
LIU-HO AIRFIELD	CH	4216N	12542E	II
NEN-CHIANG AIRFIELD NORTH	CH	4914N	12521E	II
UIJU AIRFIELD	KN	4009N	12430E	II

25X1

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25X1
25X1

25X1

WONSAN AIRFIELD	KN	3909N	12729E I
AMAHAI AIRFIELD	ID	0321S	12854E II
PENFUI AIRFIELD	ID	1010S	12339E II
HABBANIYAH AIRFIELD	IQ	3322N	04334E II
DAYR AZ ZAWR AIRFIELD SOUTH	SY	3517N	04011E II
AFRIKANDA AIRFIELD	UR	6727N	03247E I
MARIENGOF AIRFIELD	UR	5452N	02011E I
HAI-LA-ERH AIRFIELD SOUTHWEST	CH	4909N	11941E II
GABROVNITSA AIRFIELD	BU	4333N	02316E I
BUDAPEST/TOKOL AIRFIELD	HU	4721N	01859E II
BUREVESTNIK AIRFIELD	UR	4454N	14738E II
WARSAW/BOERNEROWO AIRFIELD	PO	5216N	02055E I
KU-CHE AIRFIELD	CH	4144N	08259E I
MONCHEGORSK AIRFIELD	UR	6758N	03301E I
KOKAYTY AIRFIELD	UR	3737N	06731E II
PREZE AIRFIELD	AL	4125N	01944E II
WARSAW/OKECIE AIRFIELD	PO	5211N	02058E II
POWIDZ AIRFIELD	PO	5223N	01751E II
PETROZAVODSK AIRFIELD NORTHWEST	UR	6153N	03408E I
YEFREMOV AIRFIELD	UR	5308N	03813E I
ASHKHABAD AIRFIELD NORTHWEST	UR	3758N	05821E II
SUKHUMI/DRANDA AIRFIELD	UR	4252N	04107E I
NIKOLAYEV/KULBAKINO AIRFIELD	UR	4656N	03205E II
ORENBURG AIRFIELD SOUTHWEST	UR	5143N	05504E II
LODEYNOYE POLE AIRFIELD	UR	6042N	03333E II
RAS BANAS AIRFIELD	EG	2358N	03528E II

25X1

KERCH/BAGEROVO AIRFIELD	UR	4524N	03616E I

25X1

CHAN-CHIANG NAVAL BASE	CH	2112N	11025E I
TANDJUNGPRIOK PORT FACILITIES	ID	0606S	10652E I
SURABAJA NAVAL BASE AND SHIPYARD	ID	0712S	11244E II
BITUNG PORT FACILITIES	ID	0126N	12512E II
MAKASAR PORT FACILITIES	ID	0507S	11924E II
LIEPAJA NAVAL BASE AND SHIPYARD	UR	5633N	02102E I
MAGADAN SHIP REPAIR YARD	UR	5932N	15046E II
GORKIY SHIP REPAIR YARD 25 OKT	UR	5617N	04357E II
KERCH NVL BASE & SHPYD KAMYSH BURUN 532	UR	4516N	03625E II

25X1

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25X1
25X1
25X1
25X1

WONSAN PORT FACILITIES	KN	3910N 12726E	II
BELAWAN PORT FACILITIES	ID	0347N 09842E	II
AL LADHIQIYAH PORT FACILITIES	SY	3531N 03547E	II
AL ISKANDARIYAH PORT FACILITIES	EG	3111N 02952E	I

TYURATAM INSTRUMENTATION SITE	UR	5014N 06510E	I
BEKDASH INSTRUMENTATION SITE	UR	4131N 05234E	I
ORENBURG ELECTRONICS FACILITY	UR	5143N 05458E	II
TYURATAM INSTRUMENTATION SITE	UR	4655N 06325E	I
TYURATAM INSTRUMENTATION SITE	UR	4810N 06833E	I
TYURATAM RADIO STATION 2	UR	4536N 06316E	II
TYURATAM RADIO STATION 3	UR	4538N 06320E	II
EMBA MISSILE TRACKING FACILITY	UR	4836N 05809E	I
NIZHNIYE KRESTY SUSP TROPOSCATTER SITE	UR	6928N 16121E	I
NES RADAR SITE	UR	6636N 04440E	I
MYS ZHELANIYA TALL KING RADAR	UR	7655N 06825E	I
MYS KARASEVEY TALL KING RADAR	UR	7110N 06655E	I
AMDERMA TALL KING RADAR	UR	6945N 06121E	I
TALDOM AREA HF RADIO TRANSMITTING STATION	UR	5644N 03736E	I
NIKOLAYEV AREA COMMUNICATIONS SITE	UR	4649N 03212E	I
CHANG-CHI ARMY BARRACKS SOUTH	CH	2343N 11652E	I
HSIA-TA-CHEN SHAN RADAR UNIT	CH	2827N 12153E	II
JIH-TU ARMY BARRACKS NORTH	TI	3327N 07942E	II
PU-LAN ARMY BARRACKS	TI	3015N 08110E	II
GYA PROBABLE MILITARY STOR AREA	TI	3006N 09509E	I
AT TUR QUARANTINE BARRACKS	EG	2814N 03337E	II
LEI-PEI AREA MILITARY AREAS	CH	2122N 11016E	I
UIJU MILITARY INSTALLATION	KN	4011N 12432E	II
HU-HO-HAO-TE HQ INNER MONGOLIA MD	CH	4050N 11140E	I
SOMGUL AREA MILITARY AREAS	CH	3612N 07845E	II
ASHKHABAD ARMY BARRACKS SOUTHEAST	UR	3755N 05822E	II
ASHKHABAD ARMY BARRACKS NO 1	UR	3756N 05821E	II
ASHKHABAD ARMY BARRACKS 2	UR	3755N 05823E	II
BARANOVICHI ARMY BARRACKS EAST	UR	5307N 02602E	I
BAYRAM-ALI ARMY BARRACKS SOUTHEAST	UR	3737N 06210E	I
KALININGRAD BARRACKS OBERTEICH SOUTHWEST	UR	5443N 02030E	I
NIKOLAYEV ARMY BARRACKS NORTHEAST	UR	4658N 03201E	II
NIKOLAYEV ARMY BARRACKS EAST	UR	4657N 03201E	II
NIZHNEUDINSK ARMY BARRACKS	UR	5454N 09903E	II
ORENBURG AAA BARRACKS EAST	UR	5146N 05507E	I

25X1

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25X1

25X1

OSH ARMY BARRACKS WEST	UR	4031N	07245E II
KALININGRAD ARMY BARRACKS BALLIT	UR	5445N	02030E I
KALININGRAD ARMY BARRACKS NORTHWEST	UR	5444N	02027E I
KALININGRAD ARMY BARRACKS NORTHEAST	UR	5443N	02031E I
KALININGRAD ARMY BARRACKS SOUTHWEST	UR	5441N	02028E I
KALININGRAD ARMY BARRACKS PONART	UR	5440N	02028E I
KALININGRAD ARMY BARRACKS KUMMERAU	UR	5444N	02032E I
KALININGRAD ARMY BARRACKS ROTHENSTEIN	UR	5444N	02032E I
KALININGRAD ARMY BARRACKS SHARLOTTENBURG	UR	5444N	02027E I
TAMBOV ARMY BARRACKS SOUTH	UR	5240N	04128E I
ULAN-UDE BARRACKS AND HQ 71ST TANK DIV	UR	5154N	10731E I
KANDALAKSHA ARMY BARRACKS NORTH	UR	6711N	03226E II
KEMEROVO MILITARY BARRACKS PRAVOI TOM	UR	5523N	08559E I
VORONEZH ARMY BKS AND TRAINING CENTER S	UR	5138N	03910E II
YUZHNO-SAKHALINSK ARMY BARRACKS NE	UR	4659N	14245E I
YUZHNO-SAKHALINSK BKS BOLSHAYA YELAN	UR	4655N	14244E I
YUZHNO-SAKHALINSK BKS KHRISTOFOROVKA	UR	4653N	14246E I
YUZHNO-SAKHALINSK BARRACKS LISTVENICHNOYE	UR	4652N	14246E II
LIEPAJA ARMY DEPOT KARA OSTA	UR	5633N	02103E I
LIEPAJA ARMY BARRACKS NORTH	UR	5633N	02101E I
LIEPAJA BARRACKS NORTH	UR	5634N	02101E I
LIEPAJA HQ 51ST GUARDS MTZ RIFLE DIV	UR	5631N	02100E I
LUGANSK ARMY BARRACKS NORTHWEST	UR	4835N	03916E II
PETROZAVODSK ARMY BARRACKS NORTHWEST	UR	6148N	03417E II
PETROZAVODSK ARMY BARRACKS SOUTH	UR	6146N	03421E II
PETROZAVODSK ARMY BARRACKS & RR STN S	UR	6147N	03419E II
SAMARKAND ARMY BARRACKS DZHUMUSHKABAD	UR	3940N	06655E II
SAMARKAND ARMY BARRACKS SOUTHWEST	UR	3938N	06657E II
SEVERO-KURILSK ARMY BARRACKS WEST	UR	5041N	15607E I
SEVERO-KURILSK ARMY BARRACKS SOUTH	UR	5040N	15608E I
SUKHUMI ARMY BARRACKS SOUTHEAST	UR	4259N	04102E I
KALININGRAD MILITARY TRAINING AREA	UR	5445N	02017E I
LUGANSK ORDNANCE PARK NORTHWEST	UR	4835N	03914E II
MI-TU ARMY BARRACKS	CH	2521N	10028E I
LIN-TSANG ARMY BKS AND HQ 40TH INF DIV NE	CH	2353N	10005E I
CHAN-CHIANG AREA MILITARY INSTALLATION	CH	2116N	11019E I
DRUZHBA ARMY BARRACKS	UR	4513N	08230E II
PETROZAVODSK QM DEPOT PEREVALKA N	UR	6148N	03419E II
YUZHNO-SAKHALINSK ARMY SUP DPO 1 PUG	UR	4658N	14244E I
YUZHNO-SAKHALINSK ARMY SUP DPO 2 PUG	UR	4657N	14243E I
ULAN-UDE ARMY SUPPLY DPO UDA RIVER SOUTH	UR	5149N	10741E I
ULAN-UDE ARMY SUPPLY DEPOT	UR	5149N	10736E I
SOFIA HQS MIN OF DEFENSE	BU	4241N	02319E II
NAGYATAD ARMY BARRACKS 2	HU	4611N	01721E I
NAGYATAD HEADQUARTERS BARRACKS 3	HU	4613N	01720E I
TAPOLCA ARMY BARRACKS 1	HU	4653N	01723E I

25X1

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25X1

25X1

TAPOLCA ARMY BARRACKS 2 ODOROGD	HU 4657N 01726E	I
WARSAW ARMY SUPPLY DPO SLUZEWIEC SW	PO 5210N 02059E	I
WARSAW ARMY BARRACKS WYGLEDOW	PO 5211N 02058E	I
WARSAW HQ WARSAW MILITARY DISTRICT	PO 5216N 02100E	I
KUEI-LIN COMPLEX	CH 2516N 11017E	II
WEN-SHAN COMPLEX	CH 2322N 10415E	II
JIH-TU COMPLEX	TI 3327N 07942E	II
SINUIJU COMPLEX	KN 4006N 12424E	II
HUN-CHUN COMPLEX	CH 4252N 13021E	II
DJAKARTA COMPLEX	ID 0610S 10650E	II
MALANG COMPLEX	ID 0759S 11238E	II
MEDAN COMPLEX	ID 0335N 09840E	II
SURABAJA COMPLEX	ID 0715S 11245E	II
CHONGJIN AREA, MILITARY INSTALLATION	KN 4146N 12946E	II
KRASNOVODSK COMPLEX	UR 4000N 05300E	II
MEDAN PETROLEUM PRODUCT STORAGE GROUP UG	ID 0336N 09840E	II
PITU PETROLEUM PRODUCT STORAGE	ID 0202N 12817E	I
TOMSK COMPLEX	UR 5630N 08456E	II
NYANDOMA SENSITIVE OPERATIONS COMPLEX	UR 6139N 04015E	II
LIU-HO U/I TUNNELING OPERATION	CH 4212N 12543E	II

25X1

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MISSION 4011, 24-27 SEPTEMBER 1964

[redacted]

25X1

NPIC/R-881/64
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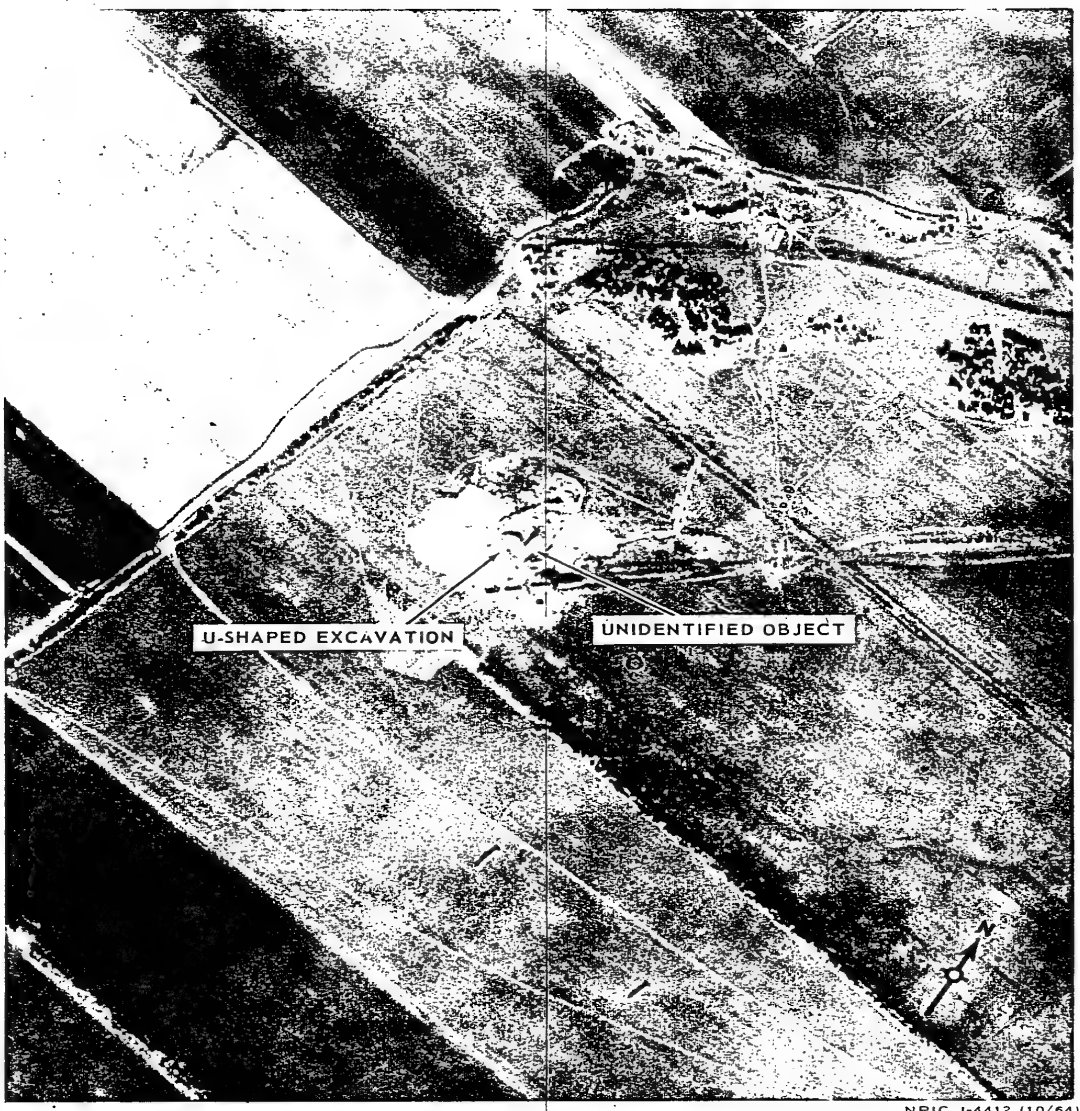

NPIC J-4412 (10/64)

LAUNCH AREA A, ALEYSK ICBM COMPLEX, USSR

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25X1

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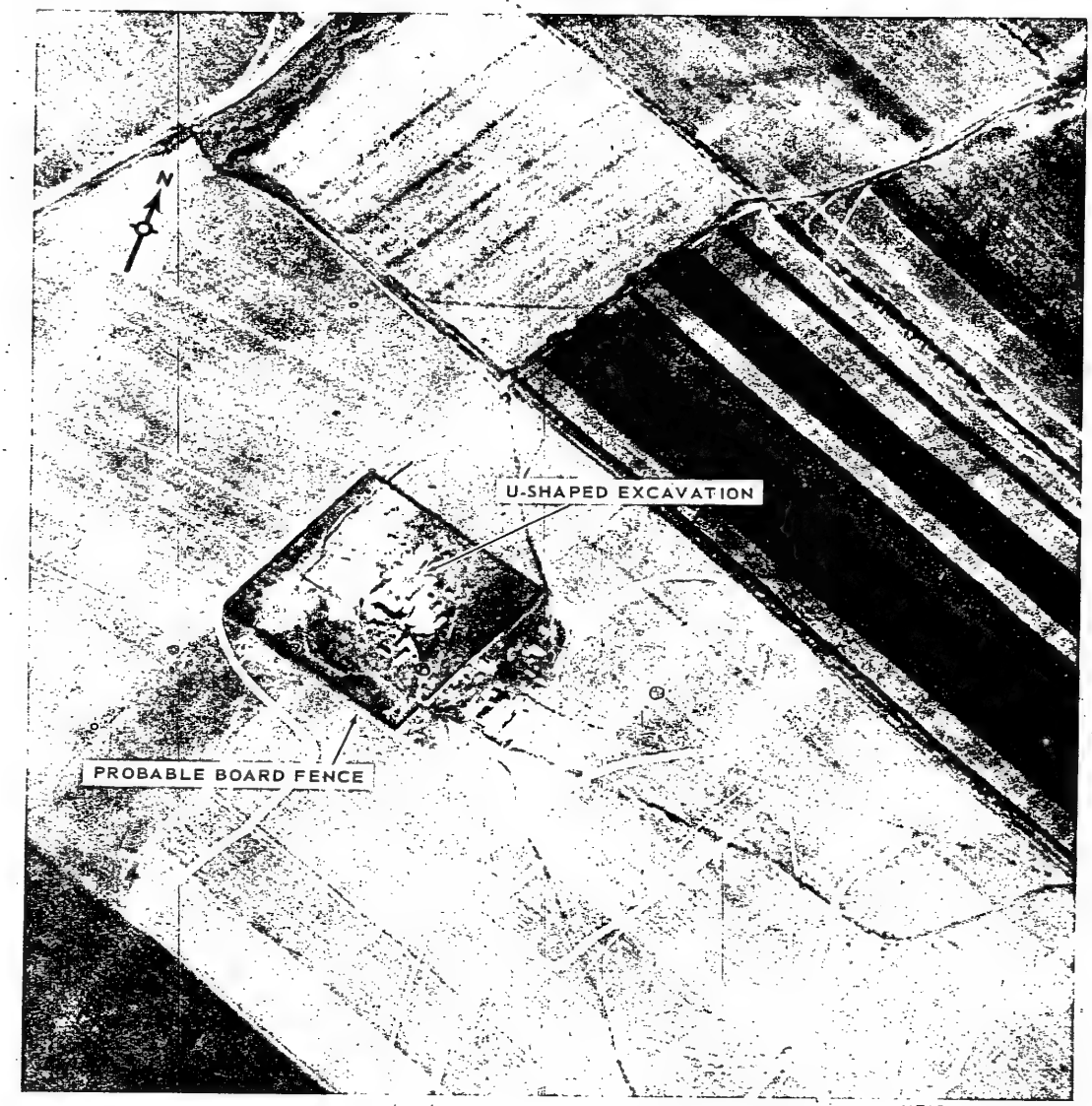
MISSION 4011, 24-27 SEPTEMBER 1964

NPIC/R-881/64
ATTACHMENT 2



NPIC J-4413 (10/64)

LAUNCH AREA B, ALEYSK ICBM COMPLEX, USSR

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25X1
25X1

NPIC/R-881/64
ATTACHMENT 3

LAUNCH AREA C, ALEYSK ICBM COMPLEX, USSR

25X1

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MISSION 4011, 24-27 SEPTEMBER 1964

NPIC/R-881/64
ATTACHMENT 4

LAUNCH AREA D, ALEYSK ICBM COMPLEX, USSR

NPIC J-4415 (10/64)

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MISSION 4011, 24-27 SEPTEMBER 1964

NPIC/R-881/64
ATTACHMENT 5

NPIC J-4416 (10/64)

LAUNCH AREA E, ALEYSK ICBM COMPLEX, USSR

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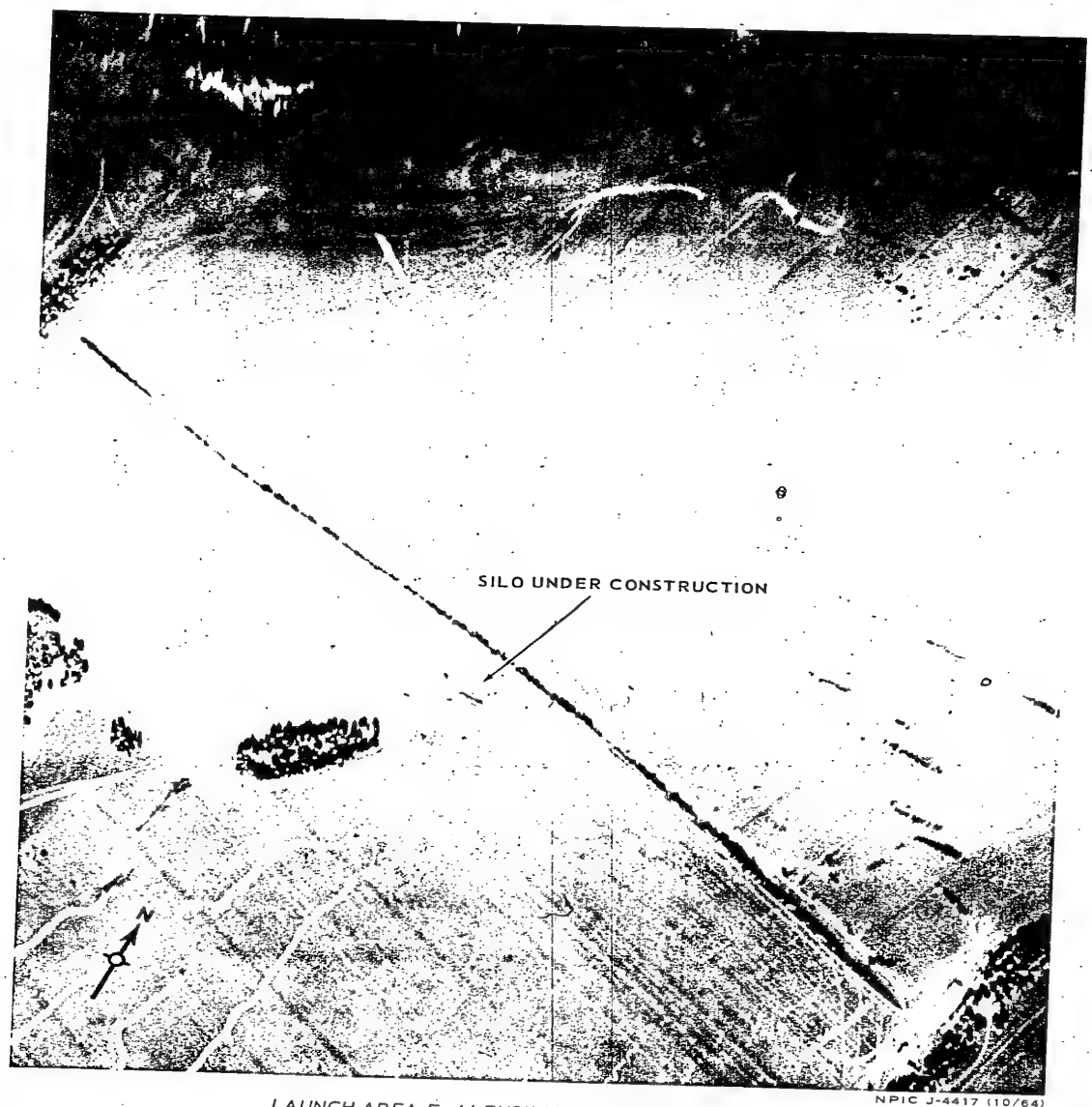
MISSION 4011, 24-27 SEPTEMBER 1964

25X1
25X1

NPIC/R-881/64
ATTACHMENT 6



NPIC J-4417 (10/64)

LAUNCH AREA F, ALEYSK ICBM COMPLEX, USSR

25X1

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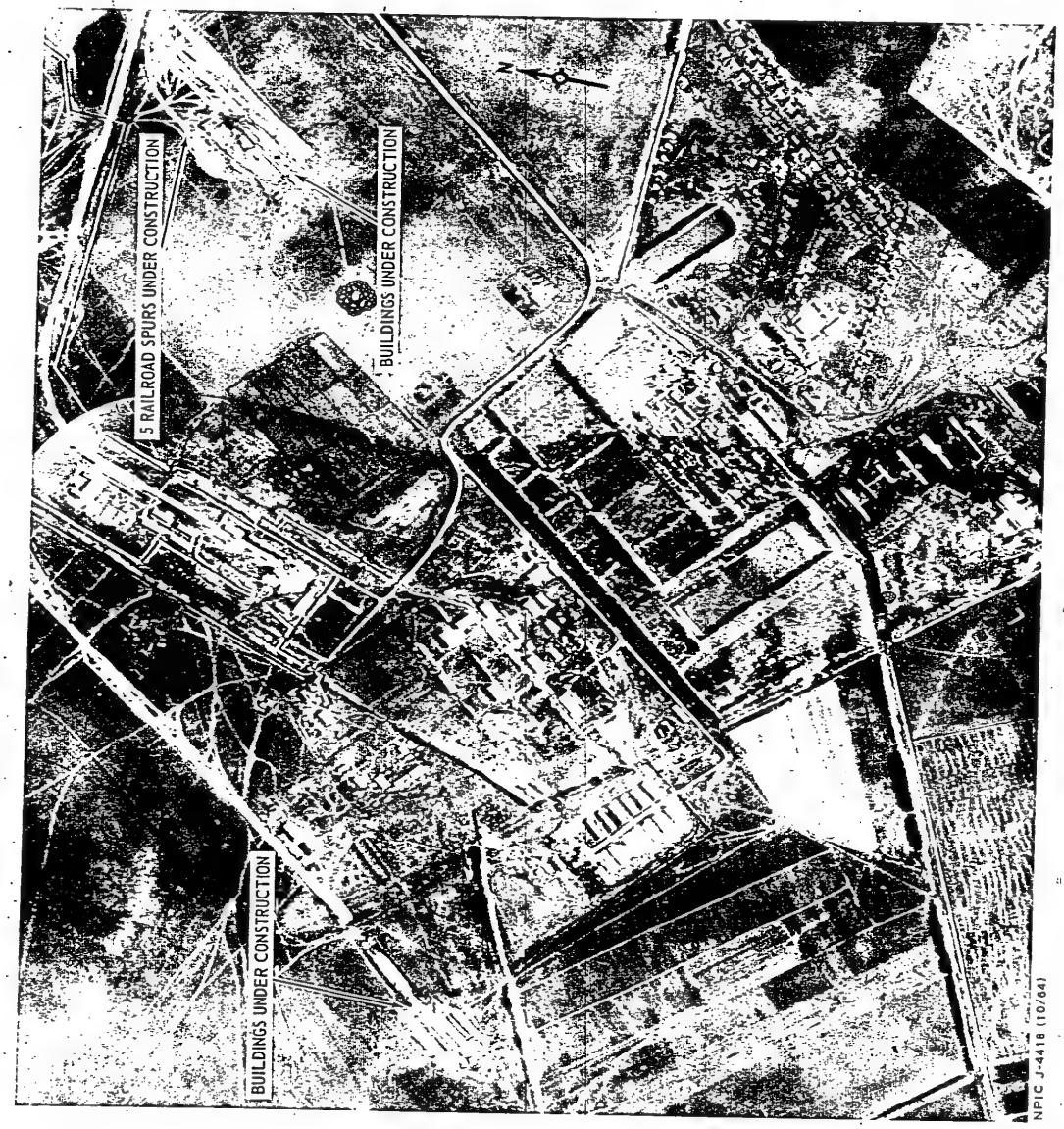
TOP SECRET CHESS RUFF

MISSION 4011, 24-27 SEPTEMBER 1964

NPIC/R-881/64
ATTACHMENT 7



COMPLEX SUPPORT FACILITY, ALEYSK ICBM COMPLEX, USSR

TOP SECRET CHESS RUFF

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MISSION 4011, 24-27 SEPTEMBER 1964

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ATTACHMENT 8

NPIC J-4419 (10/64)

LAUNCH COMPLEX A, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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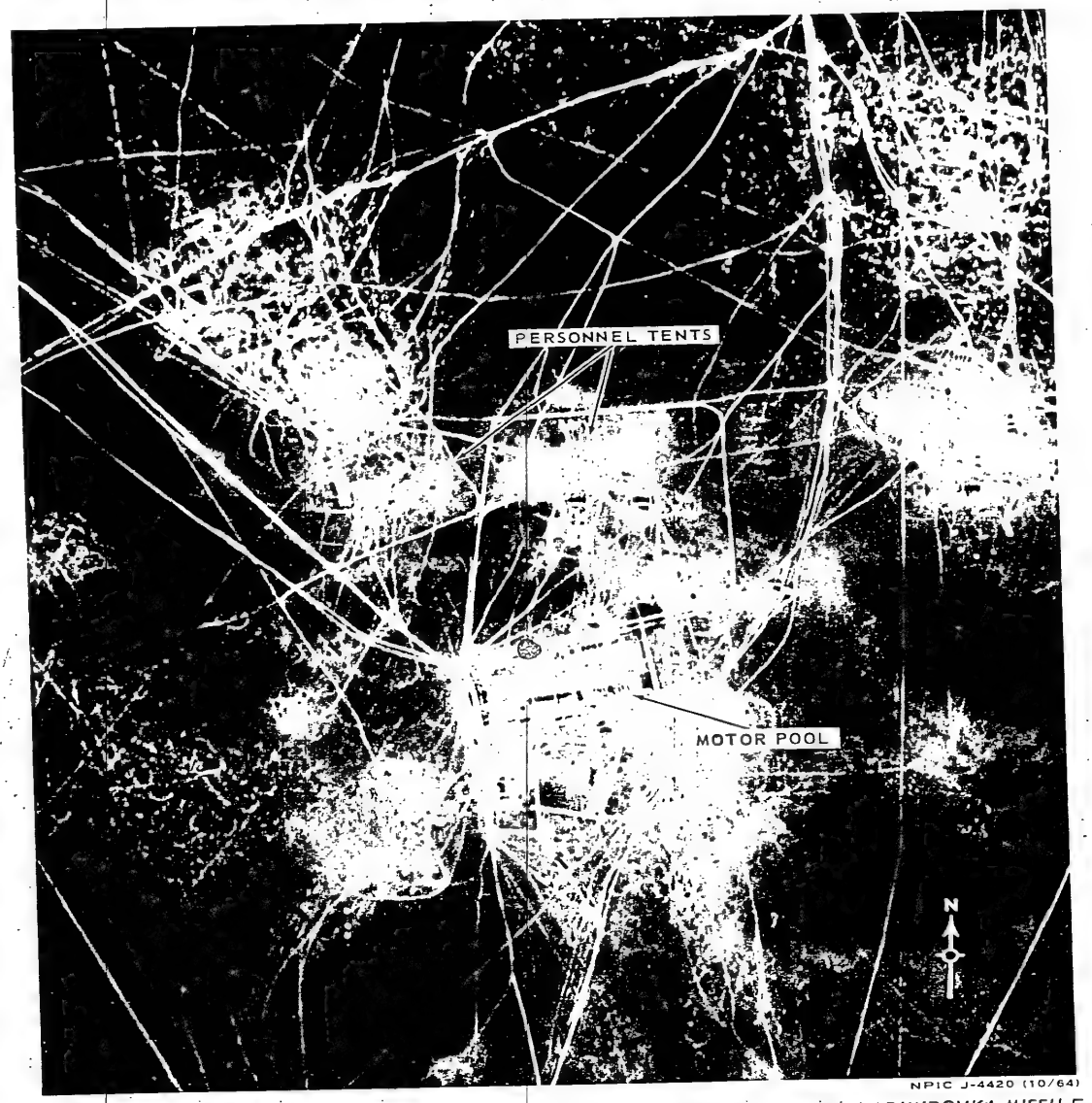

NEW BIVOUAC/TRAINING AREA WEST OF LAUNCH COMPLEX B, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

25X1

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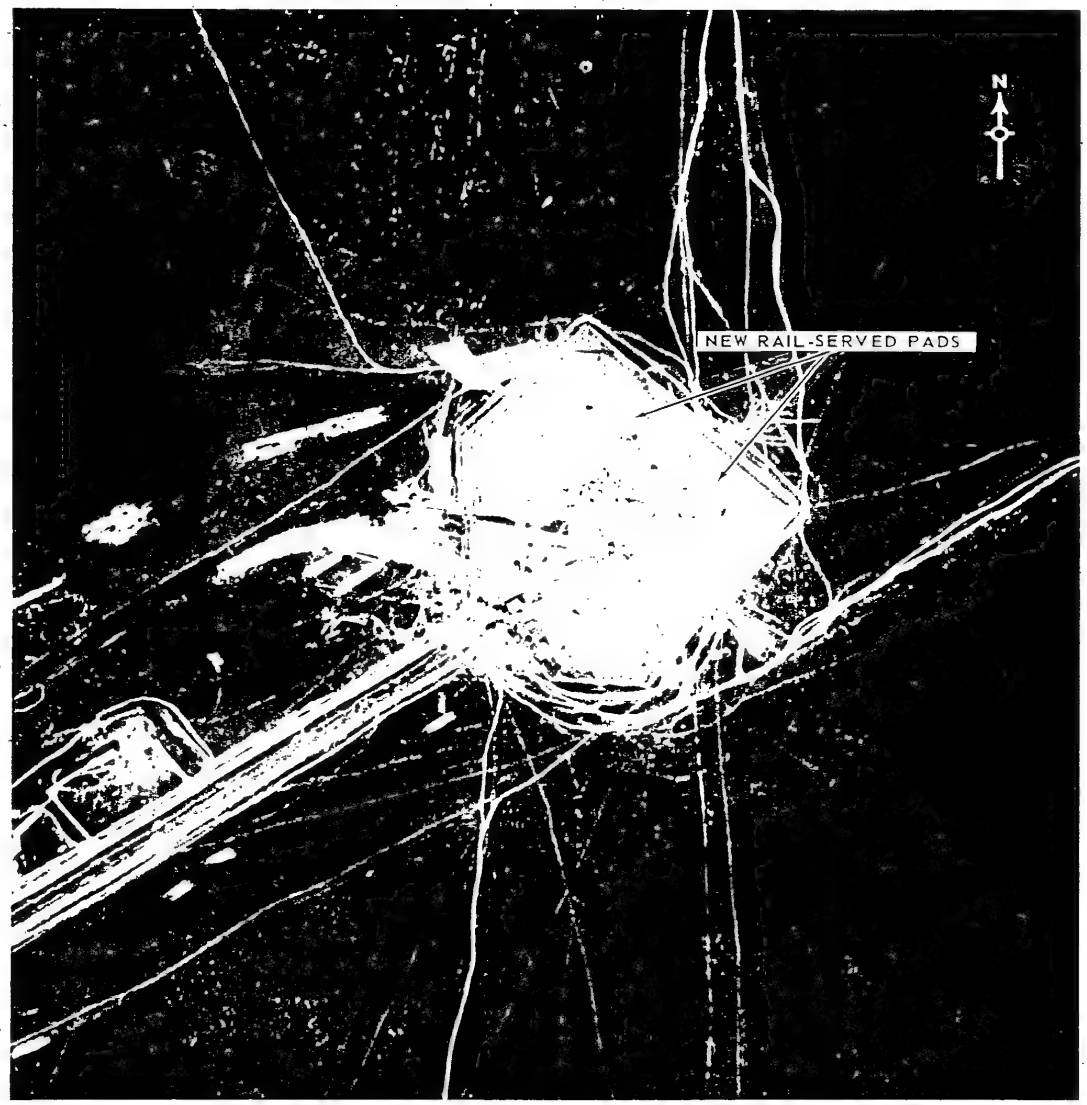
25X1

NPIC/R-881/64

ATTACHMENT 10



NPIC J-4421 (10/64)

LAUNCH AREA 1C, KAPUSTIN YAR/V.LADIMIROVKA MISSILE TEST CENTER, USSR

25X1

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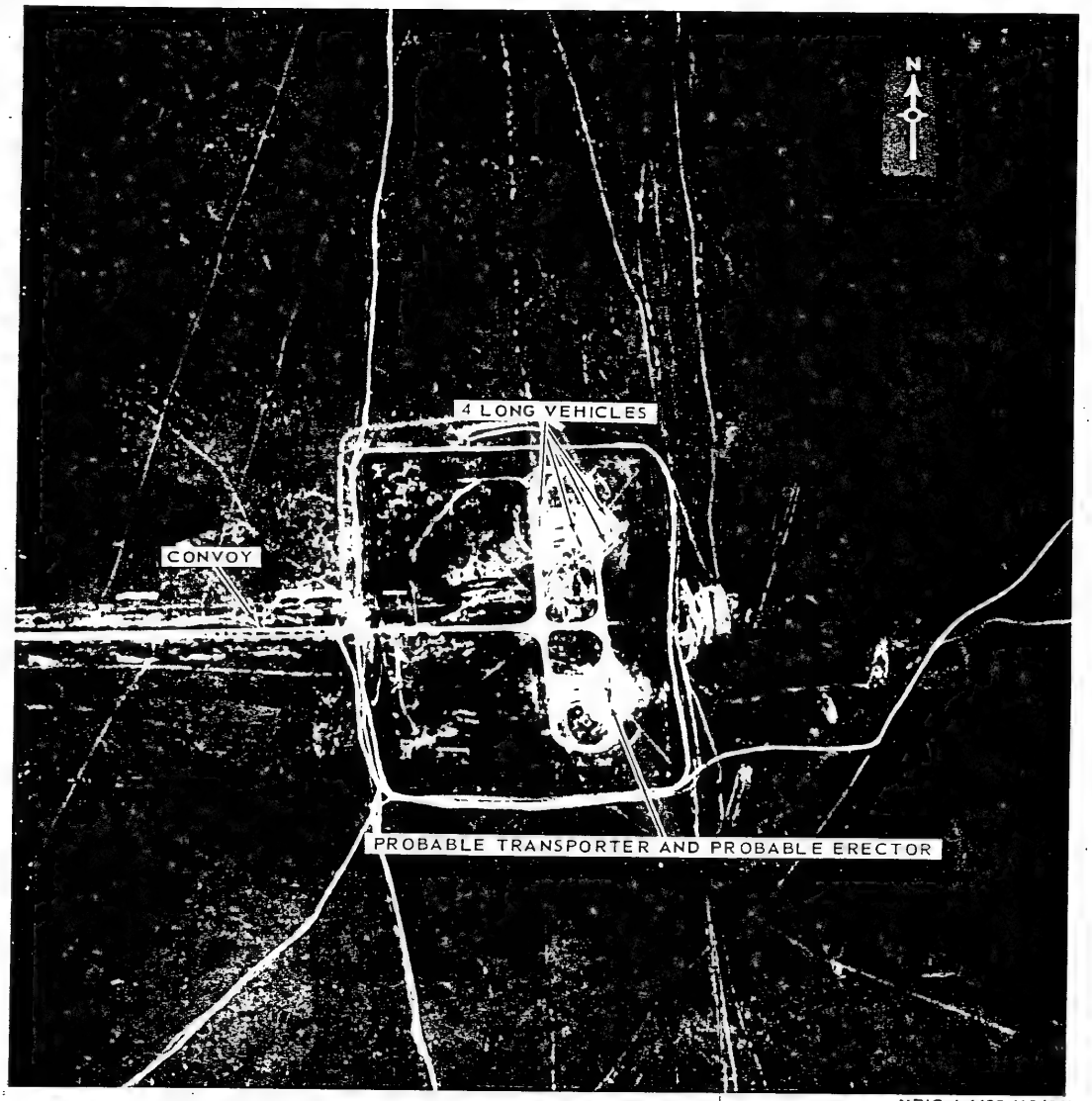
MISSION 4011, 24-27 SEPTEMBER 1964

NPIC/R-881/64
ATTACHMENT 11



NPIC J-4422 (10/64)

LAUNCH AREA 2C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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MISSION 4011, 24-27 SEPTEMBER 1964

NPIC/R-881/64

ATTACHMENT 12

NPIC J-4423 (10/64)

LAUNCH AREA 3C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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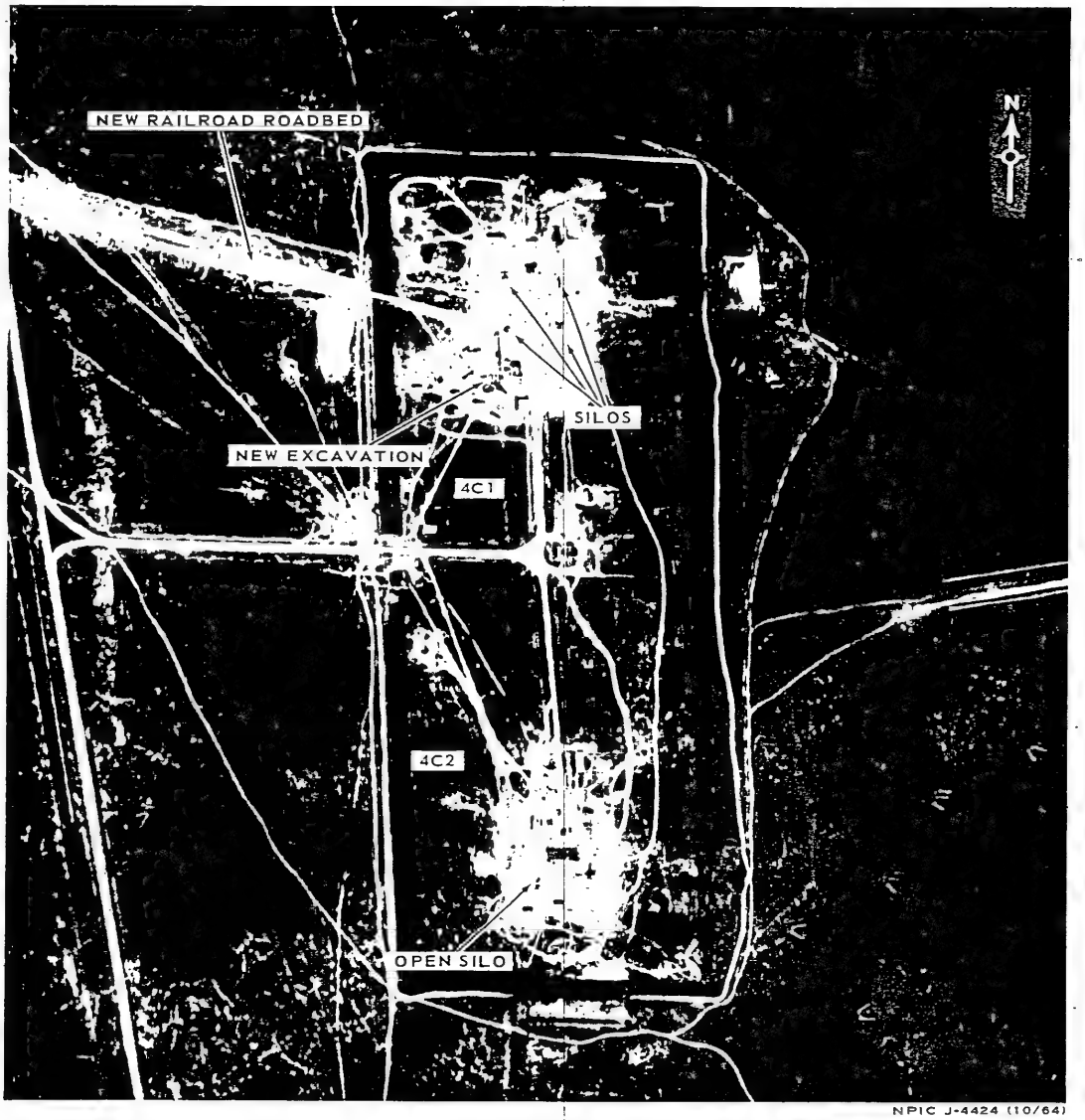
NPIC/R-881/64

ATTACHMENT 13



LAUNCH AREA 4C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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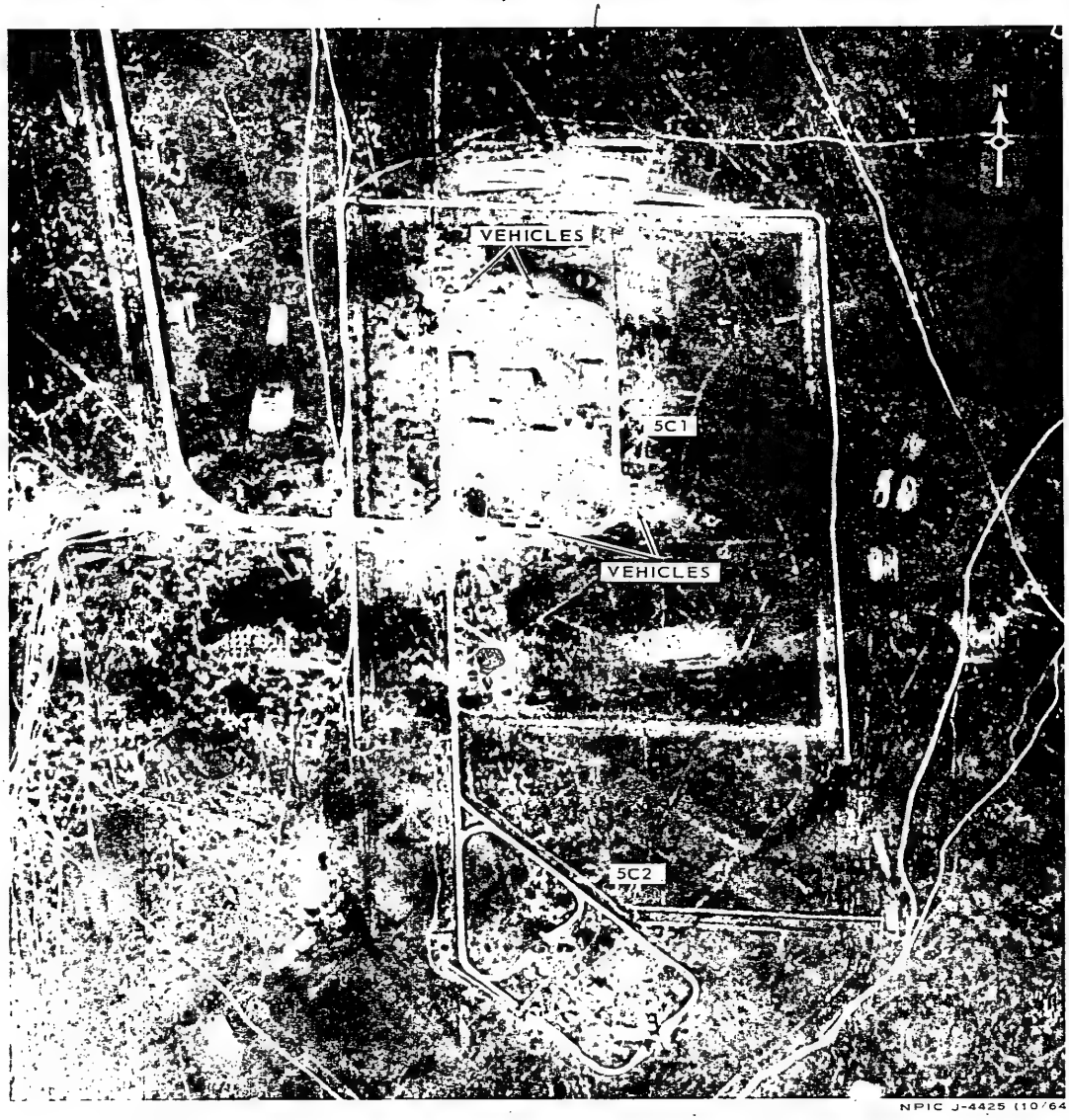
[redacted]

[redacted]

25X1
25X1

NPIC/R-881/64

ATTACHMENT 14



LAUNCH AREA 5C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

25X1

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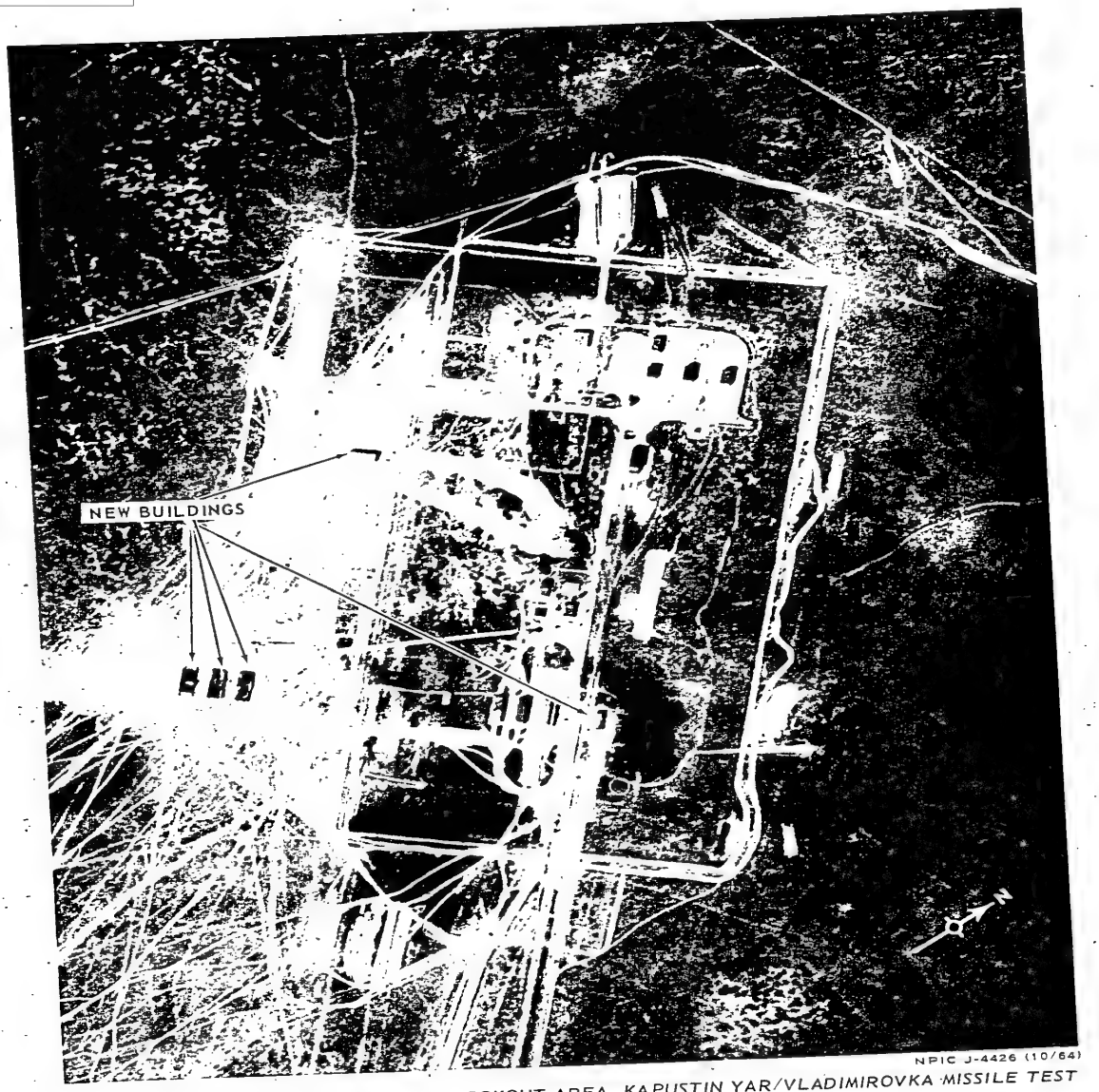
NPIC/R-881/64
ATTACHMENT 15

25X1
25X1



PROBABLE MISSILE ASSEMBLY AND CHECKOUT AREA, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

25X1

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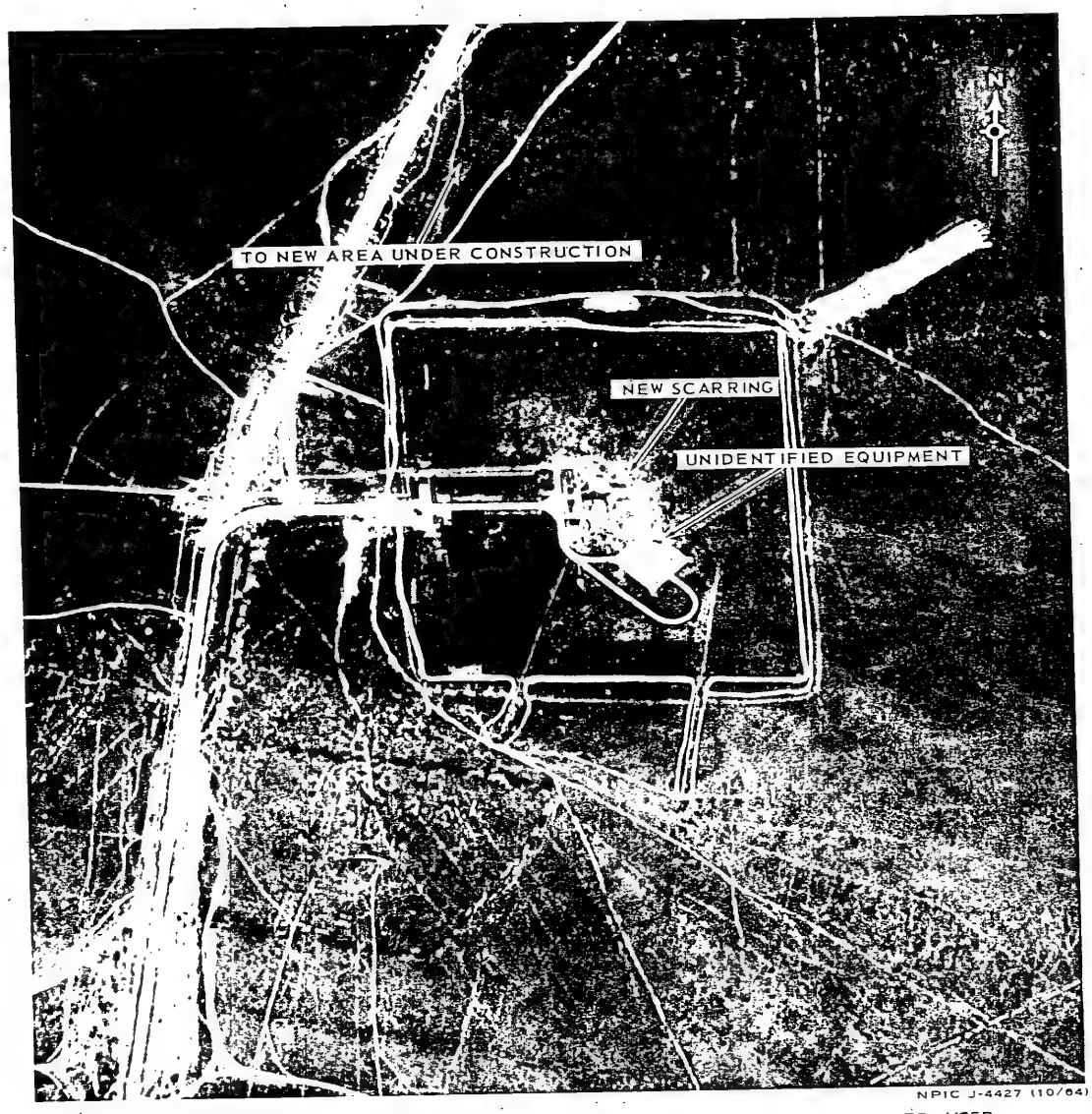
MISSION 4011, 24-27 SEPTEMBER 1964

NPIC/R-881/64

ATTACHMENT 16

25X1



LAUNCH COMPLEX E, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

25X1

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ATTACHMENT 17

NPIC J-4428 (10/64)

NEW AREA UNDER CONSTRUCTION NNE OF LAUNCH COMPLEX E, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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MISSION 4011, 24-27 SEPTEMBER 1964

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ATTACHMENT 18

NPIC J-4429 (10/64)

NEW BIVOUAC/TRAINING AREA WEST OF LAUNCH COMPLEX E, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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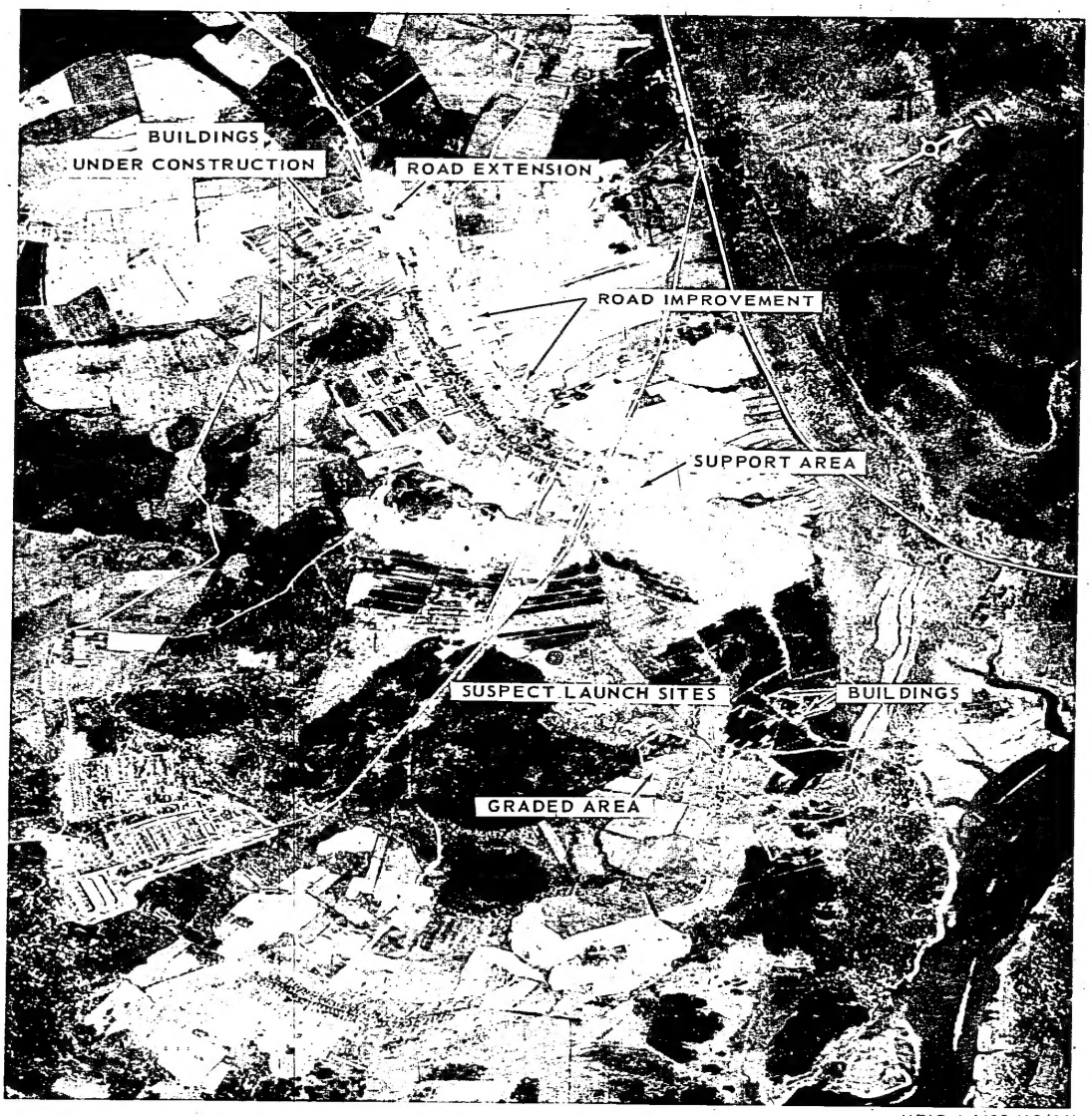
TOP SECRET CHESS RUFF

MISSION 4011, 24-27 SEPTEMBER 1964

NPIC/R-881/64
ATTACHMENT 19



NPIC/J-4430 (10/64)

SUSPECT AMM/SAM LAUNCH COMPLEX UNDER CONSTRUCTION, CHEREPOVETS, USSR

TOP SECRET CHESS RUFF

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25X1

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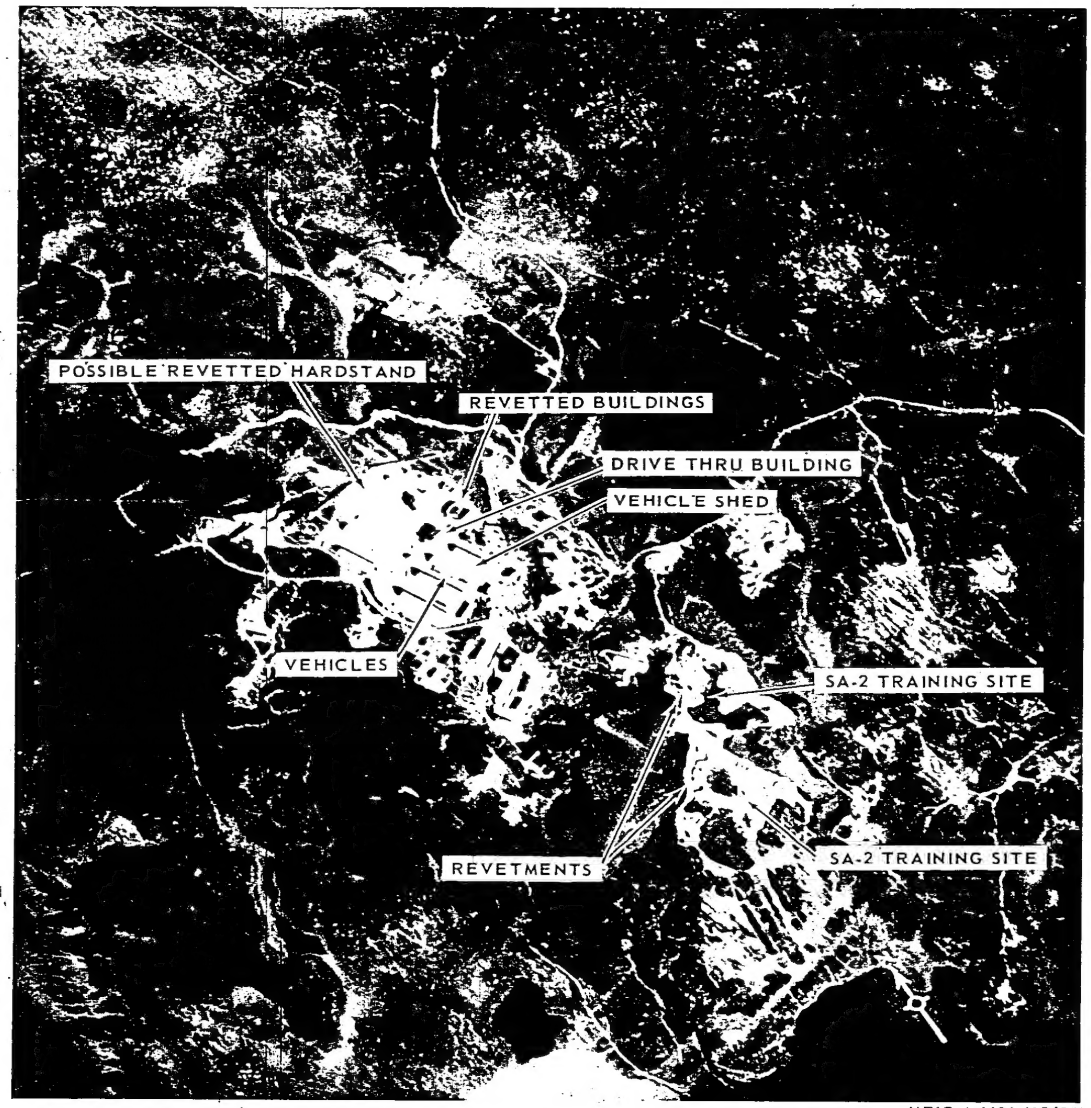
ATTACHMENT 20



NPIC J-4431 (10/64)

KANDALAKSHA SAM TRAINING AREA, USSR

25X1

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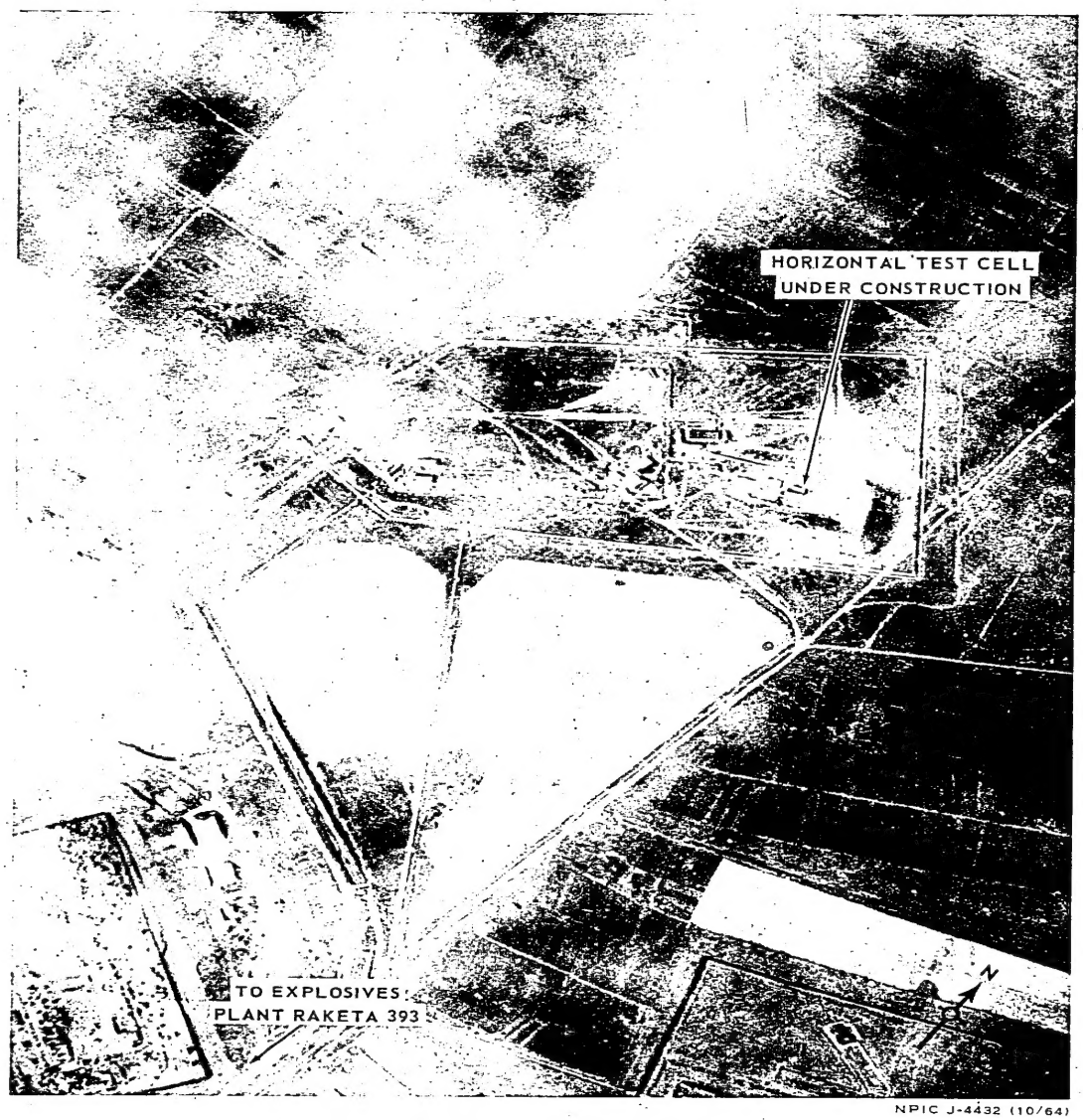
ATTACHMENT 21



NPIC J-4432 (10/64)

STATIC TEST FACILITY, KEMEROVO, USSR

25X1

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